

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006*

**SALICYLIC ACID PH/R/ BAG 25 KG**

Version 5.1

Print Date 30.04.2010

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : SALICYLIC ACID PH/R/ BAG 25 KG  
Substance name : Salicylic acid  
CAS-No. : 69-72-7  
EC-No. : 200-712-3  
EU REACH-Reg. No. : 01-2119486984-17-xxxx

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the Substance/Mixture : Identified use: See table in front of appendix for a complete overview of identified uses.

Uses advised against : At this moment we have not identified any uses advised against

Remarks : Before referring to any Exposure Scenario attached to this Safety Data Sheet please check the grade of the product: the Exposure Scenarios presented are not related to all product grade

**1.3. Details of the supplier of the safety data sheet**

Company : Erri-Comfort A/S  
Voddervej 1  
DK 6780 Skærbæk  
Telephone : +45 97132382  
Telefax :  
E-mail address : Info@erricomfort.dk  
Responsible/issuing person : Environment & Quality

**1.4. Emergency telephone number**

Emergency telephone number : In case of personal injury call:  
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital  
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day  
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent) Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)  
Outside these countries: Please call your local emergency services

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Acute toxicity (Oral)	Category 4	---	H302
Serious eye damage	Category 1	---	H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Most important adverse effects

Human Health : Harmful if swallowed.  
Causes serious eye damage.

Physical and chemical hazards : Dust may form explosive mixture in air.

Potential environmental effects : The product is not classified as dangerous for the environment.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008



Hazard symbols :

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H318 Causes serious eye damage.

Precautionary statements

Prevention : P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.

Response : P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Hazardous components which must be listed on the label:**

- Salicylic acid

**2.3. Other hazards**

For Results of PBT and vPvB assessment see section 12.5.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
<b>Salicylic acid</b> : 69-72-7 CAS-No. : 200-712-3 EC-No. EU : 01-2119486984-17-xxxx REACH- Reg. No.	<= 100	Acute Tox.4 Eye Dam.1	H302 H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice	: Take off all contaminated clothing immediately.
If inhaled	: Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medical advice. If symptoms call a physician.
In case of skin contact	: After contact with skin, wash immediately with plenty of soap and water. If symptoms call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
If swallowed	: Rinse mouth with water. Never give anything by mouth to an

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unconscious person. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately.

Protection of First Aid Responders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing.
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### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms	: See Section 11 for more detailed information on health effects and symptoms.
Effects	: See Section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed Treatment

: Treat symptomatically.No further information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing powder or CO<sub>2</sub>. media : Water spray, foam, dry  
Unsuitable extinguishing volume water jet media : High

### 5.2. Special hazards arising from the substance or mixture

Specific hazards during : Hazardous decomposition products formed under fire firefighting conditions. Dust may form explosive mixture in air. Hazardous combustion : Carbon monoxide, Carbon dioxide (CO<sub>2</sub>) products

### 5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.  
Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Keep away unprotected persons. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust.

## 6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

## 6.3. Methods and materials for containment and cleaning up

Methods and materials for : Use mechanical handling equipment. Keep in suitable, closed  
containment and cleaning containers for disposal. Neutralize residues with lime  
milk or up soda.

Further information : Treat recovered material as described in the section "Disposal  
considerations".

## 6.4. Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment. See  
Section 13 for waste treatment information.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation.  
Avoid dust formation. Use personal protective equipment. Avoid  
contact with skin, eyes and clothing. Do not breathe dust.  
Emergency eye wash fountains and emergency showers  
should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking,  
eating and drinking should be prohibited in the application area.  
Wash hands before breaks and at the end of workday. Take off all  
contaminated clothing immediately.

## 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage : Store in original container.  
areas and containers

Advice on protection : Combustible solids. Dust may form explosive mixture in air.  
against fire and explosion Keep away from sources of ignition - No smoking. Take  
precautionary measures against static discharges.

Further information on : Keep tightly closed in a dry and cool place. Keep in a  
wellstorage conditions ventilated place. Protect against light.

Advice on common : Keep away from food, drink and animal feedingstuffs. Do not storage  
store together with oxidizing and self-igniting products.  
Incompatible with bases.

Suitable packaging : Stainless steel, Polypropylene, Polyethylene materials

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Unsuitable packaging materials : , iron

**7.3. Specific end use(s)**

Specific use(s) : Identified use: See table in front of appendix for a complete overview of identified uses.

**SECTION 8: Exposure controls/personal protection 8.1.****Control parameters**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)**

DNEL Workers, Long-term - systemic effects, Inhalation	:	16 mg/m <sup>3</sup>
DNEL Workers, Long-term - local effects, Inhalation	:	1 mg/m <sup>3</sup>
DNEL Workers, Acute - local effects, Inhalation	:	3 mg/m <sup>3</sup>
DNEL Workers, Long-term - systemic effects, Skin contact	:	2 mg/kg bw/day
DNEL Consumers, Long-term - systemic effects, Inhalation	:	4 mg/m <sup>3</sup>
DNEL Consumers, Long-term - local effects, Inhalation	:	0,2 mg/m <sup>3</sup>
DNEL Consumers, Long-term - systemic effects, Skin contact	:	1 mg/kg bw/day
DNEL Consumers, Long-term - systemic effects, Ingestion	:	1 mg/kg bw/day
DNEL Consumers, Acute - systemic effects, Ingestion	:	4 mg/kg bw/day

**Predicted No Effect Concentration (PNEC)**

Fresh water	:	0,20 mg/l
Marine water	:	0,020 mg/l

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Sewage treatment plant (STP)	: 162 mg/l
Fresh water sediment	: 1,42 mg/kg d.w.
Marine sediment	: 0,14 mg/kg d.w.
Soil	: 0,17 mg/kg d.w.

**Component: Dust limit for Denmark (organic dust)**

**Other Occupational Exposure Limit Values**

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, An. 2 & 3, as amended, Threshold Limit Values (TLV):, dust and aerosol, organic 3 mg/m<sup>3</sup>

## 8.2. Exposure controls

### Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

### Personal protective equipment

#### *Respiratory protection*

Advice : Required if dust is released  
Respiratory protection complying with EN 143.  
Particle filter:P2  
In case of intensive or longer exposure use self-contained breathing apparatus.

#### *Hand protection*

Advice : Protective gloves complying with EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.  
Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Protective gloves should be replaced at first signs of wear.

Material : butyl-rubber  
Break through time : >= 8 h  
Glove thickness : 0,5 mm

Material : Fluorinated rubber  
Break through time : >= 8 h  
Glove thickness : 0,4 mm

#### *Eye protection*

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Advice : Tightly fitting safety goggles

*Skin and body protection*

Advice : Wear personal protective equipment.

### **Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

**9.1. SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

	Crystalline
Form	: powder white
Colour	: odourless no data
Odour	: available
Odour Threshold pH	: 2,4 (5 g/l ; 20 °C)
Melting point/range	: 157 - 161 °C
Boiling point/boiling range	: 256 °C (1013 hPa)
Flash point	: 157 °C (closed cup)
Evaporation rate	: no data available
Flammability (solid, gas)	: The product is flammable but not readily ignited.
Upper explosion limit	: no data available no
Lower explosion limit	: data available
Vapour pressure	: 0,000208 hPa (25 °C) 19,3 hPa (150 °C) no
Relative vapour density	: data available
Density	: 1,44 g/cm <sup>3</sup> (20 °C)
Water solubility	: 2,23 g/l (25 °C) hardly soluble
Solubility in other solvents	: (Chloroform) soluble : (Ethanol) soluble : (Acetone) soluble

Partition coefficient: n-octanol/water : log Kow 2,26

Auto-ignition temperature : 340 °C

Thermal decomposition : 230 °C

Viscosity, dynamic : Not applicable

Explosivity : Product is not explosive. Dust can form an explosive mixture in air.

Oxidizing properties : not oxidising

## 9.2. Other information

Molecular weight : 138,12 g/mol  
Sublimation point : 76 °C  
Bulk density : 300 - 800 kg/m<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Advice : No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Advice : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : Dust can form an explosive mixture in air.

### 10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks. Exposure to light. Thermal decomposition : 230 °C

### 10.5. Incompatible materials

Materials to avoid : Strong acids and strong bases, Oxidizing agents

### 10.6. Hazardous decomposition products

Hazardous decomposition : Under fire conditions: Carbon oxides products

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**SALICYLIC ACID PH/R/ BAG 25 KG****Data for the product****Acute toxicity****Oral**

Harmful if swallowed., Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Inhalation**

Inhalation of high concentration may cause mechanical overstraining of mucous membranes.

**Irritation****Skin**

Result : Prolonged skin contact may cause skin irritation.

**Eyes**

Result : Causes serious eye damage.

**Component:****Salicylic acid****CAS-No. 69-72-7****Acute toxicity****Oral**

LD50 : 891 mg/kg (Rat, male and female) (OECD Test Guideline 401)

**Inhalation**

No valid data available.

**Dermal**

LD50 : > 2000 mg/kg (Rat) (OECD Test Guideline 402)

LD50

**Irritation****Skin**

Result : No skin irritation (Rabbit) (OECD Test Guideline 404)

**Eyes**

Result : Risk of serious damage to eyes. (Rabbit)

**Sensitisation**

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Result : not sensitizing (Popliteal lymph node assay (PLNA);  
Dermal; Mouse)

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**CMR effects**

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**Carcinogenicity**

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NOAEL : 5.000 mg/kg bw/day (negative,  
Rat)(Oral)

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**CMR Properties**

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Carcinogenicity : Animal testing did not show any carcinogenic effects.  
Mutagenicity : In vitro tests did not show mutagenic effects In  
vivo tests did not show mutagenic effects

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**Genotoxicity in vitro**

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Result :  
negative (Chromosome aberration test in vitro; Chinese hamster  
ovary cells; with and without metabolic activation) (OECD Test  
Guideline 473)  
negative (Bacterial Reverse Mutation Test; Salmonella  
typhimurium; with and without metabolic activation) (OECD Test  
Guideline 471)  
negative (In vitro gene mutation study in mammalian cells; mouse  
lymphoma cells; with and without metabolic activation) (OECD Test  
Guideline 476)

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**Genotoxicity in vivo**

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Result :  
negative (unscheduled DNA synthesis assay; Mouse; Bone  
marrow) (Oral; )

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**Teratogenicity**

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NOAEL : 50 mg/kg  
Maternal  
NOAEL : 50 mg/kg (Rat)(Oral)  
Teratog.

NOAEL : 125 mg/kg bw/day  
Maternal  
NOAEL : 250 mg/kg bw/day  
Teratog.  
(Rabbit)(Oral)

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**Reproductive toxicity**

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NOAEL : 250 mg/kg bw/day

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Parent  
NOAEL : 250 mg/kg bw/day  
Fertility  
NOAEL : 75 mg/kg bw/day  
Embryo

(Rat)(Oral)(OECD Test Guideline 416)No effects on foetal development

**Specific Target Organ Toxicity****Single exposure**

Remarks : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Repeated exposure**

Remarks : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Other toxic properties****Repeated dose toxicity**

NOAEL : 45,4 mg/kg  
(Rat)(Oral; 4 month) Information given is based on data obtained from similar substances.  
NOAEL : 45,4 mg/kg  
(Rat)(Oral; 24 month) Information given is based on data obtained from similar substances.

**Aspiration hazard**

Not applicable,

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
<b>Acute toxicity</b>		
<b>Fish</b>		

LC50 : 1380 mg/l (Pimephales promelas (fathead minnow); 96 h) LC50 > 100 mg/l (Danio rerio (zebra fish); 96 h) (static test)

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**Toxicity to daphnia and other aquatic invertebrates**

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EC50 : 870 mg/l (Daphnia magna (Water flea); 48 h) (static test; OECD Test Guideline 202)

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**algae**

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EC50 : > 100 mg/l (Desmodesmus subspicatus (green algae); 72 h) (End point: Biomass; OECD Test Guideline 201)

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**Bacteria**

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EC50 : 380 mg/l (Pseudomonas putida; 16 h) (static test)

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**Chronic toxicity**

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**Aquatic invertebrates**

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NOEC : 10 mg/l (Daphnia magna (Water flea); 21 d) (End point: Reproduction)

**12.2. Persistence and degradability**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Persistence and degradability**

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**Persistence**

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Result : no data available

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**Biodegradability**

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Result : 100 % (Exposure Time: 14 d) Readily biodegradable.  
Result : > 90 % (Zahn-Wellens Test; Exposure Time: 4 d)(OECD Test Guideline 302B) Readily biodegradable. **12.3.**

**Bioaccumulative potential**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Bioaccumulation**

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Result : log Kow 2,26  
Result : Bioaccumulation is not expected.

**SALICYLIC ACID PH/R/ BAG 25 KG****12.4. Mobility in soil**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Mobility**

Water : slightly soluble  
 Air : not volatile Soil :  
 Moderately mobile in soils

**12.5. Results of PBT and vPvB assessment**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Results of PBT and vPvB assessment**

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB). **12.6. Other adverse effects**

<b>Component:</b>	<b>Salicylic acid</b>	<b>CAS-No. 69-72-7</b>
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**Additional ecological information**

Result : no data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product : Eliminate waste in conditions authorized by the regulations.  
 Store waste in containers provided for this purpose. Do not  
 dump in drains, water sheets or the ground.

Contaminated packaging : Empty contaminated packagings thoroughly.  
 They can be recycled after thorough and proper cleaning. If recycling is not  
 practicable, dispose of in compliance with local regulations.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue  
 can be assigned for this product, as the intended use dictates  
 the assignment. The waste code is established in consultation  
 with the regional waste disposer.

**SECTION 14: Transport information**

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Not dangerous goods for ADR, RID, IMDG and IATA.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packaging group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IMDG : Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Data for the product

Other regulations :

Only persons, who are thoroughly instructed in the dangerous properties and the necessary safety precautions of the substance, are allowed to work with it.

As a principal rule, persons under 18 years are not allowed to work with this substance.

Exposure limits in accordance to local regulations

**Component:**

**Salicylic acid**

**CAS-No. 69-72-7**

EU. Regulation EU No. : ; The substance/mixture does not fall under this legislation.  
649/2012 concerning the export  
and import of  
dangerous chemicals

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EU. REACH, Annex XVII,  
Marketing and Use  
Restrictions (Regulation  
1907/2006/EC)

; The substance/mixture does not fall under this legislation.

EU. Regulation No  
1451/2007 [Biocides],  
Annex I, OJ (L 325)

EC Number: , 200-712-3; Listed

EU. Cosmetics Directive  
76/768/EEC - Annex VI,  
Part 1

Reference number: 3; See the text of the regulation for  
applicable exceptions or provisions.; Listed

EU. Directive  
2012/18/EU (SEVESO  
III) Annex I

; The substance/mixture does not fall under this legislation.

Notification	status	YES	Notification number
<b>Salicylic acid:</b>		YES	
Regulatory List		YES	
AICS		YES	200-712-3
DSL		YES	(3)-1640
EINECS		YES	(3)-1640
ENCS (JP)		YES	(3)-1640
ISHL (JP)		YES	KE-20367
JEX (JP)		YES	HSR002754
KECI (KR)		YES	
NZIOC			
PHARM (JP)			
PICCS (PH)			
TSCA			
IECSC			

### 15.2. Chemical safety assessmer

ent has been carried out for this  
stance.

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H318	Causes serious eye damage.

**SALICYLIC ACID PH/R/ BAG 25 KG****Abbreviations and Acronyms**

<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>REACH Auth. No.:</b>	REACH Authorisation Number
<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>vPvB</b>	very persistent and very bioaccumulative

**Further information**

Key literature references : Supplier information and data from the "Database of registered and sources for data substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for : The classification for human health, physical and chemical product classification hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety

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Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information :

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.



## SALICYLIC ACID PH/R/ BAG 25 KG

No.	Short title	Main User Group (SU)	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Article Category (AC)	Specified
1	Use as an intermediate	3	8, 9	19	2, 3, 8b, 9, 15	6a	NA	ES6976
2	Formulation & (re)packing of substances and mixtures	3	10	NA	5, 8b, 9, 15	2	NA	ES6984
3	Production of resins	3	8, 9	NA	3, 8b, 9, 15	6d	NA	ES6979
4	Use in cleaning agents	21	NA	3, 31, 35	NA	8a	NA	ES6992
5	Use in cleaning agents	22	NA	NA	1, 2, 3, 4, 8a, 8b, 9, 10, 11, 13	8a	NA	ES6990
6	Use in cosmetics	21	NA	39	NA	8a	NA	ES6988

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***SALICYLIC ACID PH/R/ BAG 25 KG*****1. Short title of Exposure Scenario 1: Use as an intermediate**

Main User Groups	SU 3: Industrial uses: Uses of substances as such or in preparations at industrial sites
Sectors of end-use	SU8: Manufacture of bulk, large scale chemicals (including petroleum products) SU9: Manufacture of fine chemicals
Chemical product category	PC19: Intermediate

Process categories	PROC2: Use in closed, continuous process with occasional controlled exposure PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC15: Use as laboratory reagent	
Environmental Release Categories	ERC6a: Industrial use resulting in manufacture of another substance (use of intermediates)	
<b>2.1 Contributing scenario controlling environmental exposure for: ERC6a</b>		
Frequency and duration of use	Continuous exposure	300 days/year
Environment factors not influenced by risk management	Dilution Factor (River)	10
	Dilution Factor (Coastal Areas)	100
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	27,6 kg/day
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant
	Flow rate of sewage treatment plant effluent	2.000 m3/d
	Percentage removed from waste water	87,4 %
	Sludge Treatment	Do not apply industrial sludge to natural soils., Sewage sludge should be incinerated, contained or reclaimed.
Conditions and measures related to external treatment of waste for disposal	Waste treatment	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	Recovery Methods	External recovery and recycling of waste should comply with applicable local and/or national regulations.
<b>2.2 Contributing scenario controlling worker exposure for: PROC2, PROC3</b>		
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 100 %.
	Physical Form (at time of use)	Liquid mixture
Frequency and duration of use	Exposure duration	15 - 60 min
Other operational conditions affecting workers exposure	Indoor or outdoor use	
Technical conditions and measures to control dispersion from source towards the worker	Handle substance within a closed system. Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan.	
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Organisational measures to prevent /limit releases, dispersion and exposure	Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed Ensure minimization of manual phases				
Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection.				
	Wear suitable gloves tested to EN374. (Efficiency: 90 %)				
<b>2.3 Contributing scenario controlling worker exposure for: PROC8b, PROC9, PROC15</b>					
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 100 %.			
	Physical Form (at time of use)	Solid, high dustiness			
Frequency and duration of use	Exposure duration	< 1 h(PROC8b)			
	Exposure duration	< 15 min(PROC9, PROC15)			
Other operational conditions affecting workers exposure	Indoor use				
Technical conditions and measures to control dispersion from source towards the worker	Avoid dust formation.				
	Transfer via enclosed lines. Provide extract ventilation to points where emissions occur. (Efficiency: 95 %)(PROC8b)				
	Ensure samples are obtained under containment or extract ventilation. Provide enhanced general ventilation by mechanical means.(PROC9)				
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)				
Organisational measures to prevent /limit releases, dispersion and exposure	Ensure minimization of manual phases Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed				
Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection. Wear suitable gloves tested to EN374. (Efficiency: 90 %)				
<b>3. Exposure estimation and reference to its source</b>					
<b>Environment</b> ERC6c: EUSES					
<b>Contributing Scenario</b>	<b>Specific conditions</b>	<b>Compartment</b>	<b>Value</b>	<b>Level of Exposure</b>	<b>RCR</b>
ERC6c	---	Fresh water	PEC - local	0,18mg/L	0,9
ERC6c	---	Fresh water sediment	PEC - local	1,27mg/kg dry weight (d.w.)	0,9
ERC6c	---	Sewage treatment plant (STP)	PEC - local	1,74mg/L	0,011
ERC6c	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC6c	---	Fresh water	PEC - regional	0,0054mg/L	0,027
<b>Workers</b> PROC2, PROC3, PROC8b, PROC9, PROC15: ECETOC TRA					
<b>Contributing Scenario</b>	<b>Specific conditions</b>	<b>Exposure routes</b>	<b>Level of Exposure</b>	<b>RCR</b>	
PROC2	Outdoor use	Worker - dermal, long-	0,14mg/kg bw/day	0,07	

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term - systemic

PROC2	Outdoor use	Worker - inhalative, longterm - systemic	0,81mg/m <sup>3</sup>	0,05
PROC2	Indoor use	Worker - dermal, longterm - systemic	0,14mg/kg bw/day	0,07
PROC2	Indoor use	Worker - inhalative, longterm - systemic	1,15mg/m <sup>3</sup>	0,07
PROC3	Outdoor use	Worker - dermal, longterm - systemic	0,03mg/kg bw/day	0,02
PROC3	Outdoor use	Worker - inhalative, longterm - systemic	2,42mg/m <sup>3</sup>	0,15
PROC3	Indoor use	Worker - dermal, longterm - systemic	0,03mg/kg bw/day	0,02
PROC3	Indoor use	Worker - inhalative, longterm - systemic	3,45mg/m <sup>3</sup>	0,22
PROC8b	See section 2.3	Worker - dermal, longterm - systemic	0,069mg/kg bw/day	0,03
PROC8b	See section 2.3	Worker - inhalative, short-term - local	0,25mg/m <sup>3</sup>	0,08
PROC8b	See section 2.3	Worker - inhalative, longterm - local	0,125mg/m <sup>3</sup>	0,125
PROC9	See section 2.3	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,35
PROC9	See section 2.3	Worker - inhalative, longterm - local	0,032mg/m <sup>3</sup>	0,032
PROC9	See section 2.3	Worker - inhalative, short-term - local	0,064mg/m <sup>3</sup>	0,02
PROC15	See section 2.3	Worker - inhalative, longterm - local	0,05mg/m <sup>3</sup>	0,05
PROC15	See section 2.3	Worker - inhalative, short-term - local	0,1mg/m <sup>3</sup>	0,03
PROC15	See section 2.3	Worker - dermal, longterm - systemic	0,003mg/m <sup>3</sup>	0,002

**4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario**

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

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## **SALICYLIC ACID PH/R/ BAG 25 KG**

### **1. Short title of Exposure Scenario 2: Formulation & (re)packing of substances and mixtures**

Main User Groups	SU 3: Industrial uses: Uses of substances as such or in preparations at industrial sites
Sectors of end-use	SU 10: Formulation [mixing] of preparations and/ or re-packaging (excluding alloys)
Process categories	PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant contact) PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC15: Use as laboratory reagent
Environmental Release Categories	ERC2: Formulation of preparations

### **2.1 Contributing scenario controlling environmental exposure for: ERC2**

Frequency and duration of use	Continuous exposure	100 days/year
Environment factors not influenced by risk management	Dilution Factor (River)	10
	Dilution Factor (Coastal Areas)	100
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	25,9 kg/day
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant
	Flow rate of sewage treatment plant effluent	2.000 m3/d
	Percentage removed from waste water	87,4 %

Conditions and measures related to external treatment of waste for disposal	Waste treatment	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	Recovery Methods	External recovery and recycling of waste should comply with applicable local and/or national regulations.
<b>2.2 Contributing scenario controlling worker exposure for: PROC5, PROC8b, PROC9, PROC15</b>		
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 5%.
	Physical Form (at time of use)	Liquid mixture
Frequency and duration of use	Exposure duration	> 4 h(PROC5, PROC8b, PROC9)
	Exposure duration	< 15 min(PROC15)
Other operational conditions affecting workers exposure	Indoor use	
Technical conditions and measures to control dispersion from source towards the worker	Provide enhanced general ventilation by mechanical means.(PROC5)	
	Avoid splashing.(PROC9, PROC15)	
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)	
	Transfer via enclosed lines.(PROC9)	
Organisational measures to prevent /limit releases, dispersion and exposure	Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed Ensure minimization of manual phases	
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Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection.	
	Wear suitable gloves tested to EN374. (Efficiency: 90 %)	
<b>2.3 Contributing scenario controlling worker exposure for: PROC8b, PROC9, PROC15</b>		
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 100 %.
	Physical Form (at time of use)	Solid, high dustiness
Frequency and duration of use	Exposure duration	< 1 h(PROC8b)
	Exposure duration	< 15 min(PROC9, PROC15)
Other operational conditions affecting workers exposure	Indoor use	
Technical conditions and measures to control dispersion from source towards the worker	Avoid dust formation.	
	Transfer via enclosed lines. Provide extract ventilation to points where emissions occur. (Efficiency: 95 %)(PROC8b)	

	Ensure samples are obtained under containment or extract ventilation. Provide enhanced general ventilation by mechanical means.(PROC9)				
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)				
Organisational measures to prevent /limit releases, dispersion and exposure	Ensure minimization of manual phases Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed				
Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection. Wear suitable gloves tested to EN374. (Efficiency: 90 %)				
<b>2.4 Contributing scenario controlling worker exposure for: PROC9</b>					
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 5%.			
	Physical Form (at time of use)	Liquid mixture			
Frequency and duration of use	Exposure duration	< 15 min			
Other operational conditions affecting workers exposure	Indoor use				
Technical conditions and measures to control dispersion from source towards the worker	Avoid splashing. Ensure samples are obtained under containment or extract ventilation.				
Organisational measures to prevent /limit releases, dispersion and exposure	Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed Ensure minimization of manual phases				
Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection.				
<b>3. Exposure estimation and reference to its source</b>					
<b>Environment</b>					
ERC2: EUSES					
<b>Contributing Scenario</b>	<b>Specific conditions</b>	<b>Compartment</b>	<b>Value</b>	<b>Level of Exposure</b>	<b>RCR</b>
ERC2	---	Fresh water	PEC - local	0,17mg/L	0,85
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ERC2	---	Fresh water sediment	PEC - local	1,2mg/kg dry weight (d.w.)	0,85
ERC2	---	Sewage treatment plant (STP)	PEC - local	1,64mg/L	0,01
ERC2	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC2	---	Fresh water	PEC - regional	0,0054mg/L	0,027

<b>Workers</b>				
PROC5, PROC9: Advanced REACH Tool (ART model) (inhalative exposure) PROC5, PROC8b, PROC9, PROC15: ECETOC TRA				
<b>Contributing Scenario</b>	<b>Specific conditions</b>	<b>Exposure routes</b>	<b>Level of Exposure</b>	<b>RCR</b>
PROC5	See section 2.2	Worker - dermal, longterm - systemic	1,37mg/kg bw/day	0,69
PROC5	See section 2.2	Worker - inhalative, longterm - systemic	0,28mg/m <sup>3</sup>	0,018
PROC8b	See section 2.2	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,34
PROC8b	See section 2.2	Worker - inhalative, longterm - systemic	5,76mg/m <sup>3</sup>	0,36
PROC9	See section 2.2	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,34
PROC9	See section 2.2	Worker - inhalative, longterm - systemic	5,76mg/m <sup>3</sup>	0,36
PROC15	See section 2.2	Worker - dermal, longterm - systemic	0,003mg/kg bw/day	0,002
PROC15	See section 2.2	Worker - inhalative, short-term - local	0,12mg/m <sup>3</sup>	0,04
PROC15	See section 2.2	Worker - inhalative, longterm - systemic	0,058mg/m <sup>3</sup>	0,004
PROC8b	See section 2.3	Worker - dermal, longterm - systemic	0,069mg/kg bw/day	0,03
PROC8b	See section 2.3	Worker - inhalative, short-term - local	0,25mg/m <sup>3</sup>	0,08
PROC8b	See section 2.3	Worker - inhalative, longterm - local	0,125mg/m <sup>3</sup>	0,125
PROC9	See section 2.3	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,35
PROC9	See section 2.3	Worker - inhalative, longterm - local	0,032mg/m <sup>3</sup>	0,032
PROC9	See section 2.3	Worker - inhalative, short-term - local	0,064mg/m <sup>3</sup>	0,02
PROC15	See section 2.3	Worker - inhalative, longterm - local	0,05mg/m <sup>3</sup>	0,05
PROC15	See section 2.3	Worker - inhalative, short-term - local	0,1mg/m <sup>3</sup>	0,03
PROC15	See section 2.3	Worker - dermal, longterm - systemic	0,003mg/m <sup>3</sup>	0,002
PROC9	See section 2.4	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,35
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PROC9	See section 2.4	Worker - inhalative, short-term - local	1,15mg/m <sup>3</sup>	0,38

PROC9	See section 2.4	Worker - inhalative, longterm - systemic	0,58mg/m <sup>3</sup>	0,04
<b>4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario</b>				
<p>Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.</p>				
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**SALICYLIC ACID PH/R/ BAG 25 KG**

<b>1. Short title of Exposure Scenario 3: Production of resins</b>		
Main User Groups	SU 3: Industrial uses: Uses of substances as such or in preparations at industrial sites	
Sectors of end-use	SU8: Manufacture of bulk, large scale chemicals (including petroleum products) SU9: Manufacture of fine chemicals	
Process categories	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC15: Use as laboratory reagent	
Environmental Release Categories	ERC6d: Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers	
<b>2.1 Contributing scenario controlling environmental exposure for: ERC6d</b>		
Frequency and duration of use	Continuous exposure	100 days/year
Environment factors not influenced by risk management	Dilution Factor (River)	10
	Dilution Factor (Coastal Areas)	100
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	0,454 kg/day
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant
	Flow rate of sewage treatment plant effluent	2.000 m3/d
	Percentage removed from waste water	87,4 %
Conditions and measures related to external treatment of waste for disposal	Waste treatment	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	Recovery Methods	External recovery and recycling of waste should comply with applicable local and/or national regulations.
<b>2.2 Contributing scenario controlling worker exposure for: PROC3, PROC9, PROC15</b>		
Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 5%.
	Physical Form (at time of use)	Liquid mixture
Frequency and duration of use	Exposure duration	> 4 h(PROC3)
	Exposure duration	< 15 min(PROC9, PROC15)
Other operational conditions affecting workers exposure	Indoor use	
Technical conditions and measures to control dispersion from source towards the worker	Avoid splashing.(PROC9, PROC15)	
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)	
	Ensure samples are obtained under containment or extract ventilation.(PROC9)	

Organisational measures to prevent /limit releases, dispersion and exposure	Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed Ensure minimization of manual phases	
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Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection.
	Wear suitable gloves tested to EN374. (Efficiency: 90 %)

**2.3 Contributing scenario controlling worker exposure for: PROC8b, PROC9, PROC15**

Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 100 %.
	Physical Form (at time of use)	Solid, high dustiness

Frequency and duration of use	Exposure duration	< 1 h(PROC8b)
	Exposure duration	< 15 min(PROC9, PROC15)

Other operational conditions affecting workers exposure	Indoor use
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Technical conditions and measures to control dispersion from source towards the worker	Avoid dust formation.
	Transfer via enclosed lines. Provide extract ventilation to points where emissions occur. (Efficiency: 95 %)(PROC8b)
	Ensure samples are obtained under containment or extract ventilation. Provide enhanced general ventilation by mechanical means.(PROC9)
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)

Organisational measures to prevent /limit releases, dispersion and exposure	Ensure minimization of manual phases Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed
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Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection. Wear suitable gloves tested to EN374. (Efficiency: 90 %)
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**3. Exposure estimation and reference to its source**

Environment ERC6d: EUSES					
Contributing Scenario	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC6d	---	Fresh water	PEC - local	0,0083mg/L	0,041
ERC6d	---	Fresh water sediment	PEC - local	0,0585mg/kg dry weight (d.w.)	0,041
ERC6d	---	Sewage treatment plant (STP)	PEC - local	0,029mg/L	< 0,001

ERC6d	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC6d	---	Fresh water	PEC - regional	0,0054mg/L	0,027
<b>Workers</b>					
PROC3, PROC8b, PROC9, PROC15: ECETOC TRA					
Contributing Scenario	Specific conditions	Exposure routes	Level of Exposure	RCR	
PROC3	See section 2.2	Worker - dermal, longterm - systemic	0,03mg/kg bw/day	0,02	
PROC3	See section 2.2	Worker - inhalative, longterm - systemic	3,45mg/m <sup>3</sup>	0,22	
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PROC9	See section 2.2	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,35	
PROC9	See section 2.2	Worker - inhalative, longterm - systemic	0,58mg/m <sup>3</sup>	0,04	
PROC9	See section 2.2	Worker - inhalative, short-term - local	1,15mg/m <sup>3</sup>	0,38	
PROC15	See section 2.2	Worker - dermal, longterm - systemic	0,003mg/kg bw/day	0,002	
PROC15	See section 2.2	Worker - inhalative, longterm - systemic	0,058mg/m <sup>3</sup>	0,004	
PROC15	See section 2.2	Worker - inhalative, short-term - local	0,12mg/m <sup>3</sup>	0,04	
PROC8b	See section 2.3	Worker - dermal, longterm - systemic	0,069mg/kg bw/day	0,03	
PROC8b	See section 2.3	Worker - inhalative, short-term - local	0,25mg/m <sup>3</sup>	0,08	
PROC8b	See section 2.3	Worker - inhalative, longterm - local	0,125mg/m <sup>3</sup>	0,125	
PROC9	See section 2.3	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,35	
PROC9	See section 2.3	Worker - inhalative, longterm - local	0,032mg/m <sup>3</sup>	0,032	
PROC9	See section 2.3	Worker - inhalative, short-term - local	0,064mg/m <sup>3</sup>	0,02	
PROC15	See section 2.3	Worker - inhalative, longterm - local	0,05mg/m <sup>3</sup>	0,05	
PROC15	See section 2.3	Worker - inhalative, short-term - local	0,1mg/m <sup>3</sup>	0,03	
PROC15	See section 2.3	Worker - dermal, longterm - systemic	0,003mg/m <sup>3</sup>	0,002	
<b>4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario</b>					

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

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## **SALICYLIC ACID PH/R/ BAG 25 KG**

### **1. Short title of Exposure Scenario 4: Use in cleaning agents**

Main User Groups	SU 21: Consumer uses: Private households (= general public = consumers)
Chemical product category	PC3: Air care products PC31: Polishes and wax blends PC35: Washing and cleaning products
Environmental Release Categories	ERC8a: Wide dispersive indoor use of processing aids in open systems

### **2.1 Contributing scenario controlling environmental exposure for: ERC8a**

Amount used	Fraction of regional tonnage used locally:	0,1
Frequency and duration of use	Continuous exposure	365 days/year
Environment factors not influenced by risk management	Dilution Factor (River)	10
	Dilution Factor (Coastal Areas)	100
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	0,068 kg/day
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant
	Flow rate of sewage treatment plant effluent	2.000 m3/d
	Percentage removed from waste water	87,4 %

<b>2.2 Contributing scenario controlling consumer exposure for: PC3: Aircare, instant action (aerosol sprays)</b>		
Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	7 g
Frequency and duration of use	Exposure duration per event	18 min
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
<b>2.3 Contributing scenario controlling consumer exposure for: PC3: Aircare, continuous action (solid &amp; liquid)</b>		
Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	50 g
Frequency and duration of use	Exposure duration per event	8 h
Human factors not influenced by risk management	Exposed skin area	Fingertips 35,7 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
<b>2.4 Contributing scenario controlling consumer exposure for: PC31: Polishes, wax / cream (floor, furniture, shoes)</b>		
Product characteristics	Physical Form (at time of use)	Liquid mixture
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Amount used per event		550 g
Amount used		
Frequency and duration of use	Exposure duration per event	4 h
Human factors not influenced by risk management	Exposed skin area	Palms of both hands 420 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
	Ventilation rate per hour	1,4
<b>2.5 Contributing scenario controlling consumer exposure for: PC31: Polishes, spray (furniture, shoes)</b>		

Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	135 g
Frequency and duration of use	Exposure duration per event	4 h
Human factors not influenced by risk management	Exposed skin area	Palms of both hands 420 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
	Ventilation rate per hour	1,4

**2.6 Contributing scenario controlling consumer exposure for: PC35: Laundry and dish washing products**

Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	50 g
Frequency and duration of use	Exposure duration per event	1 h
Human factors not influenced by risk management	Exposed skin area	Palms of both hands 420 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
	Ventilation rate per hour	1,4

**2.7 Contributing scenario controlling consumer exposure for: PC35: Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners )**

Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	250 g
Frequency and duration of use	Exposure duration per event	18 min
Human factors not influenced by risk management	Exposed skin area	Palms of both hands 420 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
	Ventilation rate per hour	1,4

**2.8 Contributing scenario controlling consumer exposure for: PC35: Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners)**

Product characteristics	Physical Form (at time of use)	Liquid mixture
Amount used	Amount used per event	35 g
Frequency and duration of use	Exposure duration per event	4 h

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Human factors not influenced by risk management	Exposed skin area	Palms of both hands 420 cm <sup>2</sup>
Other given operational conditions affecting consumers exposure	Room size	20 m <sup>3</sup>
	Ventilation rate per hour	1,4

**3. Exposure estimation and reference to its source****Environment**  
ERC8a: EUSES

Contributing Scenario	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8a	---	Fresh water	PEC - local	0,0058mg/L	0,029
ERC8a	---	Fresh water sediment	PEC - local	0,041mg/kg dry weight (d.w.)	0,029
ERC8a	---	Sewage treatment plant (STP)	PEC - local	0,0043mg/L	< 0,001
ERC8a	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC8a	---	Fresh water	PEC - regional	0,0054mg/L	0,027

**Consumers**

PC31, PC35, PC31: Polishes, wax / cream, PC35: Laundry and dish washing products, PC35: Cleaners, liquids, PC35: Cleaners, trigger sprays, PC3: Aircare, instant action (aerosol sprays), PC3: Aircare, continuous action (solid & liquid): ECETOC TRA

Contributing Scenario	Specific conditions	Exposure routes	Level of Exposure	RCR
PC3: Aircare, instant action (aerosol sprays)	---	Consumer - inhalative, long-term - systemic	3,5mg/m <sup>3</sup>	0,88
PC3: Aircare, continuous action (solid & liquid)	---	Consumer - inhalative, long-term - systemic	0,05mg/m <sup>3</sup>	0,01
PC3: Aircare, continuous action (solid & liquid)	---	Consumer - dermal, longterm - systemic	0,102mg/m <sup>3</sup>	0,102
PC31: Polishes, wax / cream	---	Consumer - inhalative, long-term - systemic	0,275mg/m <sup>3</sup>	0,07
PC31, PC35	---	Consumer - dermal, longterm - systemic	0,6mg/m <sup>3</sup>	0,6
PC31: Polishes, wax / cream	---	Consumer - inhalative, long-term - systemic	3,375mg/m <sup>3</sup>	0,84
PC35: Laundry and dish washing products	---	Consumer - inhalative, long-term - systemic	0,025mg/m <sup>3</sup>	0,01
PC35: Cleaners, liquids	---	Consumer - inhalative, long-term - systemic	0,125mg/m <sup>3</sup>	0,03

PC35: Cleaners, trigger sprays	---	Consumer - inhalative, long-term - systemic	0,875mg/m <sup>3</sup>	0,22
<b>4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario</b>				
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Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

## SALICYLIC ACID PH/R/ BAG 25 KG

### 1. Short title of Exposure Scenario 5: Use in cleaning agents

Main User Groups	SU 22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Process categories	<p>PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions</p> <p>PROC2: Use in closed, continuous process with occasional controlled exposure</p> <p>PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</p> <p>PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises</p> <p>PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities</p> <p>PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities</p> <p>PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC10: Roller application or brushing</p> <p>PROC11: Non industrial spraying</p> <p>PROC13: Treatment of articles by dipping and pouring</p>
Environmental Release Categories	ERC8a: Wide dispersive indoor use of processing aids in open systems

### 2.1 Contributing scenario controlling environmental exposure for: ERC8a

Amount used	Fraction of regional tonnage used locally:	0,1
Frequency and duration of use	Continuous exposure	365 days/year
Environment factors not influenced by risk management	Dilution Factor (River)	10
	Dilution Factor (Coastal Areas)	100
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	0,068 kg/day
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant
	Flow rate of sewage treatment plant effluent	2.000 m3/d
	Percentage removed from waste water	87,4 %
Conditions and measures related to external treatment of waste for disposal	Waste treatment	External treatment and disposal of waste should comply with applicable local and/or national regulations.
Conditions and measures related to external recovery of waste	Recovery Methods	External recovery and recycling of waste should comply with applicable local and/or national regulations.

### 2.2 Contributing scenario controlling worker exposure for: PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13

Product characteristics	Concentration of the Substance in Mixture/Article	Covers percentage substance in the product up to 5%.
	Physical Form (at time of use)	Liquid mixture
Frequency and duration of use		> 4 h(except PROC11)

	Exposure duration	
	Exposure duration	< 4 h(only PROC11)
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Other operational conditions affecting workers exposure	Indoor or outdoor use
Technical conditions and measures to control dispersion from source towards the worker	Avoid splashing.(PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13)
	Handle substance within a closed system.(PROC1)
	Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour). or Ensure operation is undertaken outdoors. (Efficiency: 30 %)(PROC2, PROC3, PROC4, PROC10, PROC13)
	Handle in a fume cupboard or under extract ventilation. (Efficiency: 90 %)(PROC15)
Organisational measures to prevent /limit releases, dispersion and exposure	Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. or Ensure operation is undertaken outdoors. (Efficiency: 30 %)(PROC8a, PROC8b, PROC9, PROC11)
	Clean equipment and the work area every day. Supervision in place to check that the RMMs in place are being used correctly and OC's followed Ensure minimization of manual phases
Conditions and measures related to personal protection, hygiene and health evaluation	Avoid direct eye contact with product, also via contamination on hands. Use suitable eye protection.
	Wear suitable gloves tested to EN374. (Efficiency: 90 %)

### 3. Exposure estimation and reference to its source

#### Environment

ERC8a: EUSES

Contributing Scenario	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8a	---	Fresh water	PEC - local	0,0058mg/L	0,029
ERC8a	---	Fresh water sediment	PEC - local	0,041mg/kg dry weight (d.w.)	0,029
ERC8a	---	Sewage treatment plant (STP)	PEC - local	0,0043mg/L	< 0,001
ERC8a	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC8a	---	Fresh water	PEC - regional	0,0054mg/L	0,027

#### Workers

PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11: Advanced REACH Tool (ART model) (inhalative exposure)

PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13: ECETOC TRA

Contributing Scenario	Specific conditions	Exposure routes	Level of Exposure	RCR
PROC1	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,34mg/kg bw/day	0,17
PROC1	Indoor or outdoor use	Worker - inhalative, longterm - systemic	0,01mg/m <sup>3</sup>	0,001
PROC2	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,14mg/kg bw/day	0,07
PROC2	Outdoor use	Worker - inhalative, long-	4,03mg/m <sup>3</sup>	0,25
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term - systemic				
PROC2	Indoor use	Worker - inhalative, longterm - systemic	5,76mg/m <sup>3</sup>	0,36
PROC3	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,03mg/kg bw/day	0,02
PROC3	Outdoor use	Worker - inhalative, longterm - systemic	2,42mg/m <sup>3</sup>	0,15
PROC3	Indoor use	Worker - inhalative, longterm - systemic	3,45mg/m <sup>3</sup>	0,22
PROC4	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,34
PROC4	Outdoor use	Worker - inhalative, longterm - systemic	8,06mg/m <sup>3</sup>	0,5
PROC4	Indoor use	Worker - inhalative, longterm - systemic	0,55mg/m <sup>3</sup>	0,03
PROC8a	Indoor or outdoor use	Worker - dermal, longterm - systemic	1,37mg/kg bw/day	0,69
PROC8a	Outdoor use	Worker - inhalative, longterm - systemic	0,021mg/m <sup>3</sup>	0,001
PROC8a	Indoor use	Worker - inhalative, longterm - systemic	0,016mg/m <sup>3</sup>	0,001
PROC8b	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,34
PROC8b	Outdoor use	Worker - inhalative, longterm - systemic	8,06mg/m <sup>3</sup>	0,5
PROC8b	Indoor use	Worker - inhalative, longterm - systemic	0,0016mg/m <sup>3</sup>	0,0001
PROC9	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,69mg/kg bw/day	0,34
PROC9	Outdoor use	Worker - inhalative, longterm - systemic	8,06mg/m <sup>3</sup>	0,5
PROC9	Indoor use	Worker - inhalative, longterm - systemic	0,0006mg/m <sup>3</sup>	0,00003
PROC10	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,55mg/kg bw/day	0,27
PROC10	Outdoor use	Worker - inhalative, longterm - systemic	0,063mg/m <sup>3</sup>	0,004
PROC10	Indoor use	Worker - inhalative, longterm - systemic	0,18mg/m <sup>3</sup>	0,011

PROC11	Indoor or outdoor use	Worker - dermal, longterm - systemic	1,29mg/kg bw/day	0,64
PROC11	Outdoor use	Worker - inhalative, longterm - systemic	0,57mg/m <sup>3</sup>	0,036
PROC11	Indoor use	Worker - inhalative, longterm - systemic	1,6mg/m <sup>3</sup>	0,1
PROC13	Indoor or outdoor use	Worker - dermal, longterm - systemic	0,27mg/kg bw/day	0,14
PROC11	Outdoor use	Worker - inhalative, longterm - systemic	8,06mg/m <sup>3</sup>	0,5
PROC11	Indoor use	Worker - inhalative, longterm - systemic	11,51mg/m <sup>3</sup>	0,72
<b>4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the</b>				
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<b>Exposure Scenario</b>

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

<b>1. Short title of Exposure Scenario 6: Use in cosmetics</b>					
Main User Groups	SU 21: Consumer uses: Private households (= general public = consumers)				
Chemical product category	PC39: Cosmetics, personal care products				
Environmental Release Categories	ERC8a: Wide dispersive indoor use of processing aids in open systems				
Activity	This use is exempted from registration according to Art.2 (5)(6) of the REACH regulation (EC) No 1907/2006. Therefore the conditions and measures described in this Exposure Scenario are only intended for a technical function of the substance				
<b>2.1 Contributing scenario controlling environmental exposure for: ERC8a</b>					
Amount used	Fraction of regional tonnage used locally:	0,1			
Frequency and duration of use	Continuous exposure	365 days/year			
Environment factors not influenced by risk management	Dilution Factor (River)	10			
	Dilution Factor (Coastal Areas)	100			
Other given operational conditions affecting environmental exposure	Emission or Release Factor: Water	0,203 kg/day			
Conditions and measures related to sewage treatment plant	Type of Sewage Treatment Plant	Municipal sewage treatment plant			
	Flow rate of sewage treatment plant effluent	2.000 m3/d			
	Percentage removed from waste water	87,4 %			
<b>2.2 Contributing scenario controlling consumer exposure for: PC39</b>					
Consumer uses e.g. as a carrier in cosmetics/personal care products, perfumes and fragrances. Note: For cosmetic and personal care products, risk assessment only required for the environment under REACH as human health is covered by alternative legislation					
<b>3. Exposure estimation and reference to its source</b>					
<b>Environment</b>					
ERC8a: EUSES					
Contributing Scenario	Specific conditions	Compartment	Value	Level of Exposure	RCR
ERC8a	---	Fresh water	PEC - local	0,0067mg/L	0,033
ERC8a	---	Fresh water sediment	PEC - local	0,047mg/kg dry weight (d.w.)	0,033
ERC8a	---	Sewage treatment plant (STP)	PEC - local	0,013mg/L	< 0,001
ERC8a	---	Fresh water sediment	PEC - regional	0,035mg/kg dry weight (d.w.)	0,024
ERC8a	---	Fresh water	PEC - regional	0,0054mg/L	0,027
<b>Consumers</b>					
Not applicable.					
<b>4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the</b>					

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**Exposure Scenario**

Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.