

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Rapid Air Clear Coat VOC

Product no.

7-325,326-xxxx

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Bodywork protector treatment. Only for professional use.

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

August Handel GmbH
Heinrich-Hertz-Str. 3b
DE-14532 Kleinmachnow b. Berlin
Germany
Phone: +49 30 217333 00

Contact person

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E-mail

info@augusthandel.com

SDS date

2017-06-08

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226
Skin Irrit. 2; H315
Skin Sens. 1; H317
Eye Irrit. 2; H319
STOT SE 3; H336
Muta. 2; H341
Repr. 1B; H360
STOT SE 2; H371
STOT RE 2; H373
Aquatic Chronic 2; H411
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

**Signal word**

Danger

Hazard statement(s)

Flammable liquid and vapour. (H226)
 Causes skin irritation. (H315)
 May cause an allergic skin reaction. (H317)
 Causes serious eye irritation. (H319)
 May cause drowsiness or dizziness. (H336)
 Suspected of causing genetic defects. (H341)
 May damage fertility or the unborn child. (H360)
 May cause damage to organs. (H371)
 May cause damage to organs through prolonged or repeated exposure. (H373)
 Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)**General**

If medical advice is needed, have product container or label at hand. (P101).
 Keep out of reach of children. (P102).

Prevention

Obtain special instructions before use. (P201).

Response

IF exposed or concerned: Get medical advice/attention. (P308+P313).
 Call a POISON CENTER/doctor if you feel unwell. (P312).
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).

Storage

Store locked up. (P405).

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Hydroxyphenyl-benzotriazole-derivative II, Hydroxyphenyl-benzotriazole-derivative 1, Bis,1,2,2,6,6-pentamethyl-4-piperidyl,sebacate, reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly, dibutyltin,dilaurate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 3-,3-sulfanylpropanoyl,oxy,-2,2-bis,3-sulfanylpropanoyl,oxy,methyl,propyl,3-sulfanylpropanoate, Bis,1,2,2,6,6-pentamethyl-4-piperidyl,sebacate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

2.3. Other hazards

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

Additional labelling

Do not use in paint spraying equipment.

Additional warnings

Tactile warning.

VOC

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SECTION 3: Composition/information on ingredients**3.1/3.2. Substances/Mixtures**

NAME:	n-butyl acetate
IDENTIFICATION NOS.:	CAS-no: 123-86-4 EC-no: 204-658-1 Index-no: 607-025-00-1
CONTENT:	20-<40%%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3 H226, H336, EUH066
NOTE:	S
NAME:	2-methoxy-1-methylethyl acetate
IDENTIFICATION NOS.:	CAS-no: 108-65-6 EC-no: 203-603-9 Index-no: 607-195-00-7
CONTENT:	0-20%%
CLP CLASSIFICATION:	Flam. Liq. 3 H226
NOTE:	SL

NAME:	heptan-2-one methyl amyl ketone
IDENTIFICATION NOS.:	CAS-no: 110-43-0 EC-no: 203-767-1 Index-no: 606-024-00-3
CONTENT:	5-10%%
CLP CLASSIFICATION:	Flam. Liq. 3, Acute Tox. 4 H226, H302, H332
NOTE:	SL
NAME:	reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly
IDENTIFICATION NOS.:	EC-no: 400-830-7 Index-no: 607-176-00-3
CONTENT:	1-2,5%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Chronic 2 H317, H411
NAME:	Bis,1,2,2,6,6-pentamethyl-4-piperidyl,sebacate
IDENTIFICATION NOS.:	CAS-no: 41556-26-7 EC-no: 255-437-1
CONTENT:	1-2,5%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410
NAME:	Hydroxyphenyl-benzotriazole-derivative 1
IDENTIFICATION NOS.:	CAS-no: 104810-48-2 EC-no: 600-603-4
CONTENT:	1-2,5%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Chronic 2 H317, H411
NAME:	Hydroxyphenyl-benzotriazole-derivative II
IDENTIFICATION NOS.:	CAS-no: 104810-47-1
CONTENT:	1-2,5%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Chronic 2 H317, H411
NAME:	dibutyltin,dilaurate
IDENTIFICATION NOS.:	CAS-no: 77-58-7 EC-no: 201-039-8
CONTENT:	0,1-1%%
CLP CLASSIFICATION:	Acute Tox. 4, STOT SE 1, STOT RE 1, Skin Corr. 1C, Skin Sens. 1, Muta. 2, Repr. 1B, Aquatic Acute 1 H302, H314, H317, H341, H360, H370, H372, H400 (M-acute = 1)
NAME:	Ny substans
IDENTIFICATION NOS.:	-
CONTENT:	0,1-1%%
CLP CLASSIFICATION:	Aquatic Chronic 2 , Acute Tox. 4 H411, H302
NAME:	Bis,1,2,2,6,6-pentamethyl-4-piperidyl,sebacate
IDENTIFICATION NOS.:	CAS-no: 41556-26-7 EC-no: 255-437-1
CONTENT:	1-2,5%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410
NAME:	3-,3-sulfanylpropanoyl,oxy,-2,2-bis,3-sulfanylpropanoyl,oxy,methyl,propyl,3-sulfanylpropanoate
IDENTIFICATION NOS.:	CAS-no: 7575-23-7 EC-no: 231-472-8
CONTENT:	0,1-<1%%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H302, H317, H400, H410
NAME:	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
IDENTIFICATION NOS.:	CAS-no: 82919-37-7 EC-no: 280-060-4
CONTENT:	0,1-<1%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410 (M-acute = 1) (M-chronic = 1)
NAME:	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
IDENTIFICATION NOS.:	CAS-no: 82919-37-7 EC-no: 280-060-4
CONTENT:	0,1-<1%%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410 (M-acute = 1) (M-chronic = 1)
NAME:	3-mercaptopropionic acid
IDENTIFICATION NOS.:	CAS-no: 107-96-0 EC-no: 203-537-0
CONTENT:	0,01-0,1%%
CLP CLASSIFICATION:	Met. Corr. 1, Acute Tox. 4, Acute Tox. 3, Skin Corr. 1A H290, H301, H314, H332

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(inhale, vapour) > 20
 ATEmix(oral) > 2000
 Eye Cat. 2 Sum = $\sum(C_i/S(G)CL_i) = > 1 - 1,2$
 Skin Cat. 2 Sum = $\sum(C_i/S(G)CL_i) = > 1 - 1,2$
 N chronic (CAT 2) Sum = $\sum(C_i/(M(\text{chronic})^i * 25) * 0.1 * 10^{CAT_i}) = 1,376 - 2,064$
 N acute (CAT 1) Sum = $\sum(C_i/M(\text{acute})^i * 25) = 0,1472 - 0,2208$

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately and bring the safety data sheet or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Sulphur oxides. Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. The room and chemical closet shall be provided with warning sign for toxic substances. Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

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

heptan-2-one methyl amyl ketone

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 237 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 475 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 274 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 548 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

n-butyl acetate

Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m³

Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m³

DNEL / PNEC

DNEL (dibutyltin,dilaurate): 2,08 mg/kg

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (dibutyltin,dilaurate): 0,42 mg/kg

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dibutyltin,dilaurate): 0,02 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 480 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 7 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 960 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (n-butyl acetate): 960 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (n-butyl acetate): 480 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-methoxy-1-methylethyl acetate): 153,5 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-methoxy-1-methylethyl acetate): 275 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (heptan-2-one methyl amyl ketone): 54,27 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (heptan-2-one methyl amyl ketone): 1516 mg/m³

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL (heptan-2-one methyl amyl ketone): 394,25 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

PNEC (dibutyltin,dilaurate): 0,000463 mg/l

Exposure: Freshwater

PNEC (dibutyltin,dilaurate): 0,000463 mg/l

Exposure: Marine water

PNEC (dibutyltin,dilaurate): 0,00463 mg/l

Exposure: Intermittent release

PNEC (dibutyltin,dilaurate): 0,05 mg/kg

Exposure: Freshwater sediment

PNEC (dibutyltin,dilaurate): 0,005 mg/kg

Exposure: Marine water sediment

PNEC (dibutyltin,dilaurate): 0,0407 mg/kg

Exposure: Soil

PNEC (n-butyl acetate): 0,18 mg/l

Exposure: Freshwater

PNEC (n-butyl acetate): 0,018 mg/l

Exposure: Marine water

PNEC (n-butyl acetate): 0,36 mg/l

Exposure: Intermittent release

PNEC (n-butyl acetate): 0,981 mg/kg

Exposure: Freshwater sediment

PNEC (n-butyl acetate): 0,0981 mg/kg

Exposure: Marine water sediment

PNEC (n-butyl acetate): 0,0903 mg/kg

Exposure: Soil

PNEC (n-butyl acetate): 35,6 mg/l

Exposure: Sewage Treatment Plant

PNEC (2-methoxy-1-methylethyl acetate): 0,635 mg/l

Exposure: Freshwater

PNEC (2-methoxy-1-methylethyl acetate): 0,0635 mg/l

Exposure: Marine water

PNEC (2-methoxy-1-methylethyl acetate): 6,35 mg/l

Exposure: Intermittent release

PNEC (2-methoxy-1-methylethyl acetate): 3,29 mg/kg

Exposure: Freshwater sediment

PNEC (2-methoxy-1-methylethyl acetate): 0,329 mg/kg

Exposure: Marine water sediment

PNEC (2-methoxy-1-methylethyl acetate): 0,29 mg/kg

Exposure: Soil

PNEC (2-methoxy-1-methylethyl acetate): 100 mg/l
 Exposure: Sewage Treatment Plant
 PNEC (heptan-2-one methyl amyl ketone): 0,00982 mg/l
 Exposure: Freshwater
 PNEC (heptan-2-one methyl amyl ketone): 0,00982 mg/l
 Exposure: Marine water
 PNEC (heptan-2-one methyl amyl ketone): 0,982 mg/l
 Exposure: Intermittent release
 PNEC (heptan-2-one methyl amyl ketone): 1,89 mg/kg
 Exposure: Freshwater sediment
 PNEC (heptan-2-one methyl amyl ketone): 0,189 mg/kg
 Exposure: Marine water sediment
 PNEC (heptan-2-one methyl amyl ketone): 0,321 mg/kg
 Exposure: Soil
 PNEC (heptan-2-one methyl amyl ketone): 12,5 mg/l
 Exposure: Sewage Treatment Plant

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Exhaust air that contains the substances shall not be recirculated. Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and - showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: Combination filter A2P3. Class 2/3. Brown/White

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

Hand protection

Recommended: Natural rubber (latex)

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	No data available.
Odour	No data available.
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	No data available.

Phase changes

Melting point (°C)
 Boiling point (°C)
 Vapour pressure
 Decomposition temperature (°C)
 Evaporation rate (n-butylacetate = 100)

No data available.
 No data available.
 No data available.
 No data available.
 No data available.

Data on fire and explosion hazards

Flash point (°C)
 Ignition (°C)
 Auto flammability (°C)
 Explosion limits (% v/v)
 Explosive properties

60
 No data available.
 No data available.
 No data available.
 No data available.

Solubility

Solubility in water
 n-octanol/water coefficient

Insoluble
 No data available.

9.2. Other information

Solubility in fat (g/L)

No data available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Substance	Species	Test	Route of exposure	Result
dibutyltin,dilaurate	Rat	LD50	Oral	500-2000 mg/kg
dibutyltin,dilaurate	Rabbit	LD50	Dermal	>1000 mg/kg
heptan-2-one methyl amyl keto...	Rat	LD50	Oral	1600 mg/kg
heptan-2-one methyl amyl keto...	Rat	LD50	Dermal	>2000 mg/kg
heptan-2-one methyl amyl keto...	Rat	LC50	Inhalation	>16,7 mg/l
heptan-2-one methyl amyl keto...	Rat	LD50	Oral	8532 mg/kg
heptan-2-one methyl amyl keto...	Rat	LC50	Inhalation	35,7 mg/m ³
heptan-2-one methyl amyl keto...	Rabbit	LD50	Dermal	>5000 mg/kg
2-methoxy-1-methylethyl aceta...	Rat	LD50	Oral	10768 mg/kg
2-methoxy-1-methylethyl aceta...	Rabbit	LD50	Dermal	17600 mg/kg
2-methoxy-1-methylethyl aceta...	Rat	LC50	Inhalation	23,4 mg/l 4h
2-methoxy-1-methylethyl aceta...	Rat	LD50	Dermal	10760 mg/kg
2-methoxy-1-methylethyl aceta...	Mouse	LD50	Oral	6mg/kg
n-butyl acetate				
n-butyl acetate				
n-butyl acetate				
n-butyl acetate				
n-butyl acetate				

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

No data available.

Reproductive toxicity

May damage fertility or the unborn child.

STOT-single exposure

May cause damage to organs. May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

No data available.

Long term effects

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
dibutyltin,dilaurate				
dibutyltin,dilaurate				
dibutyltin,dilaurate				
dibutyltin,dilaurate				
heptan-2-one methyl amyl keto...	Daphnia	EC50		2,28 mg/l
heptan-2-one methyl amyl keto...	Crustacean	EC50	3h	>1000 mg/l
heptan-2-one methyl amyl keto...	Algae	EC50	72h	>1 mg/l
2-methoxy-1-methylethyl aceta...	Fish	LC50	48h	2,04 mg/l
2-methoxy-1-methylethyl aceta...	Fish	EC50	72 h	98,2 mg/l
2-methoxy-1-methylethyl aceta...	Crustacean	LC50	96 h	131 mg/l
2-methoxy-1-methylethyl aceta...	Algae	EC10	30 min	>1000 mg/l
2-methoxy-1-methylethyl aceta...	Algae	EC50		>100 mg/l
2-methoxy-1-methylethyl aceta...	Fish	EC50		>100 mg/l
2-methoxy-1-methylethyl aceta...	Daphnia	EC50		>100 mg/l
2-methoxy-1-methylethyl aceta...	Daphnia	EC50	48 h	>500 mg/l
2-methoxy-1-methylethyl aceta...	Fish	EC50	72 h	>1000 mg/l
2-methoxy-1-methylethyl aceta...	Fish	LC50	96 h	>100 mg/l
2-methoxy-1-methylethyl aceta...	Daphnia	EC50	48 h	44 mg/l
2-methoxy-1-methylethyl aceta...	Algae	EC50	72 h	675 mg/l
2-methoxy-1-methylethyl aceta...	Fish	LC50	96 h	18 mg/l
2-methoxy-1-methylethyl aceta...	Algae	NOEC	16 h	115 mg/l
n-butyl acetate	Crustacean	EC50	48 h	32 mg/L
n-butyl acetate				
n-butyl acetate				
n-butyl acetate				
n-butyl acetate				

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
dibutyltin,dilaurate			
heptan-2-one methyl amyl keto...	No	Modified OECD Screening Test	23%
2-methoxy-1-methylethyl aceta...	Yes	Modified OECD Screening Test	69%
2-methoxy-1-methylethyl aceta...	Yes	Modified OECD Screening Test	100%
n-butyl acetate	Yes	Closed Bottle Test	83%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
dibutyltin,dilaurate	No	No data available	No data available
2-methoxy-1-methylethyl aceta...	Yes	0,56	No data available
n-butyl acetate	Yes	2,3	15,3

12.4. Mobility in soil

2-methoxy-1-methylethyl aceta...: Log Koc= 1,7 (High mobility potential.).

n-butyl acetate : Log Koc= 1,27 (High mobility potential.).

12.5. Results of PBT and vPvB assessment

Contains epoxy compounds. See information supplied by the manufacturer.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment, This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

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

Product is covered by the regulations on hazardous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information**14.1 – 14.4**

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number 1263

14.2. UN proper shipping name -

14.3. Transport hazard class(es) 3

14.4. Packing group III

Notes -

Tunnel restriction code D/E

IMDG

UN-no. 1263

Proper Shipping Name PAINT

Class 3

PG* III

EmS F-E,S-E

MP** No

Hazardous constituent -

IATA/ICAO

UN-no. 1263

Proper Shipping Name PAINT

Class 3

PG* III

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Industrial use only.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H226 - Flammable liquid and vapour.

H290 - May be corrosive to metals.

H301 - Toxic if swallowed.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H336 - May cause drowsiness or dizziness.

H341 - Suspected of causing genetic defects.

H360 - May damage fertility or the unborn child.

H370 - Causes damage to organs^a.

H372 - Causes damage to organs through prolonged or repeated exposure^a.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

-

Additional label elements

-

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

JW

**Date of last essential change
(First cipher in SDS version)**

-

**Date of last minor change
(Last cipher in SDS version)**

-