

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)

SAFETY DATA SHEET



Crystic 356PA

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

1.1 Product identifier

Product code : C3000900
Product type : Liquid.

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

Identified uses

Intermediate compound.

1.3 Details of the supplier of the safety data sheet

Scott Bader Co Ltd,

Wollaston.

Northants

NN297RL

United Kingdom

+44 (0)1933663100

e-mail address of person responsible for this SDS

: SDS@scottbader.com

1.4 Emergency telephone number

Telephone number

Telephone number : +44 1865 407333 (NCEC) 24h

(Hours of operation)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Carc. 2, H351

Repr. 2, H361d (Unborn child)

STOT SE 3, H335 STOT RE 1, H372

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

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

2.2 Label elements

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SECTION 2: Hazards identification

Hazard pictograms







Signal word : Danger

Hazard statements : H226 - Flammable liquid and vapour.

H332 - Harmful if inhaled.

H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H361d - Suspected of damaging the unborn child.

H351 - Suspected of causing cancer. H335 - May cause respiratory irritation.

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

Precautionary statements

Prevention: P201 - Obtain special instructions before use.

P280 - Wear protective gloves. Wear protective clothing. Wear eye/face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P260 - Do not breathe vapour.

Response : P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Hazardous ingredients : styrene

1,4,5,6,7,7-hexachlorobicyclo [2,2,1]hept-5-ene-2,3-dicarboxylic anhydride

antimony trioxide

cobalt bis(2-ethylhexanoate)

maleic anhydride

Supplemental label

elements

: Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Restricted to professional users.

2.3 Other hazards

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

dentifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
	dentifiers	dentifiers %	dentifiers % Regulation (EC) No. 1272/2008 [CLP]

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SECTION 3: Composition/information on ingredients

	<u> </u>			
styrene	REACH #: 01-2119457861-32 EC: 202-851-5 CAS: 100-42-5 Index: 601-026-00-0	≥10 - <25	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d (Unborn child) STOT SE 3, H335 STOT RE 1, H372 (hearing organs) Asp. Tox. 1, H304	[1] [2]
1,4,5,6,7, 7-hexachlorobicyclo [2, 2,1]hept-5-ene-2, 3-dicarboxylic anhydride	REACH #: 01-2119911956-30 EC: 204-077-3 CAS: 115-27-5 Index: 607-101-00-4	≥10 - ≤25	Aquatic Chronic 3, H412 Eye Irrit. 2, H319 Skin Sens. 1, H317 Carc. 2, H351 (oral) STOT RE 2, H373	[1]
antimony trioxide	REACH #: 01-2119475613-35 EC: 215-175-0 CAS: 1309-64-4 Index: 051-005-00-X	≤5	Carc. 2, H351	[1] [2]
tris(2-chloro- 1-methylethyl) phosphate	REACH #: 01-2119486772-26 EC: 237-158-7 CAS: 13674-84-5	≤3	Acute Tox. 4, H302	[1]
chlorobenzene	EC: 203-628-5 CAS: 108-90-7 Index: 602-033-00-1	<1	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Aquatic Chronic 2, H411	[1] [2]
1,4,5,6,7,7-hexachloro- 8,9,10-trinorborn- 5-ene-2,3-dicarboxylic acid	CAS: 115-28-6	<1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351	[1]
2,2-bis(bromomethyl) propane-1,3-diol cobalt bis (2-ethylhexanoate)	EC: 221-967-7 CAS: 3296-90-0 REACH #: 01-2119524678-29 EC: 205-250-6	≤0.3 ≤0.3	Muta. 2, H341 (oral) Carc. 2, H351 (oral) Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 2, H361f (Fertility)	[1]
maleic anhydride	CAS: 136-52-7 REACH #: 01-2119472428-31 EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9	≤0.3	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT RE 1, H372 (respiratory system)	[1] [2]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≤0.1	(inhalation) STOT RE 2, H373 (kidneys) (oral) Flam. Liq. 3, H226 STOT SE 3, H336	[1] [2]
ethanediol	EC: 203-473-3 CAS: 107-21-1 Index: 603-027-00-1	≤0.1	Acute Tox. 4, H302 STOT RE 2, H373 (kidneys) (oral)	[1] [2]
(2-methoxymethylethoxy) propanol		≤0.1	Not classified.	[2]
lead compounds	EC: 215-267-0 CAS: 1317-36-8 Index: 082-001-00-6	≤0.1	Acute Tox. 4, H302 Acute Tox. 4, H332 Repr. 1A, H360FD (Fertility and Unborn child) Lact., H362 STOT RE 1, H372	[1] [2]

T: 020 7703 9786 SDS correct as of 15th January 2019



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SECTION 3: Composition/informa	ation on ingredients				
	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above				

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Imi

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Harmful if inhaled. May cause respiratory irritation.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

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SECTION 4: First aid measures

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced foetal weight increase in foetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

irritation redness

reduced foetal weight increase in foetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

reduced foetal weight increase in foetal deaths skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing

media

: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: Mammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide phosphorus oxides halogenated compounds metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.



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SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Seveso Directive - Reporting thresholds (in tonnes)

Named substances

Name	Notification and MAPP threshold	Safety report threshold
rsenic trioxide, arsenious (III) acid and/or salts	-	0.1

Danger criteria

	Notification and MAPP threshold	Safety report threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5000	50000

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
styrene	EH40/2005 WELs (United Kingdom (UK), 12/2011).
•	STEL: 250 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
	TWA: 430 mg/m³ 8 hours.
	STEL: 1080 mg/m³ 15 minutes.
antimony trioxide	EH40/2005 WELs (United Kingdom (UK), 12/2011).
	TWA: 0.5 mg/m³, (as Sb) 8 hours.
chlorobenzene	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 3 ppm 15 minutes.
	TWA: 1 ppm 8 hours.
cobalt bis(2-ethylhexanoate)	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation
	sensitiser.
	TWA: 0.1 mg/m³, (as Co) 8 hours.
naleic anhydride	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation
	sensitiser.
	STEL: 3 mg/m³ 15 minutes.
	TWA: 1 mg/m³ 8 hours.
I-methoxy-2-propanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	STEL: 560 mg/m³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 375 mg/m³ 8 hours.
	TWA: 100 ppm 8 hours.
ethanediol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.

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SECTION 8: Exposure controls/personal protection

TWA: 10 mg/m³ 8 hours. Form: Particulate
STEL: 104 mg/m³ 15 minutes. Form: Vapour
TWA: 52 mg/m³ 8 hours. Form: Vapour
STEL: 40 ppm 15 minutes. Form: Vapour
TWA: 20 ppm 8 hours. Form: Vapour
TWA: 20 ppm 8 hours. Form: Vapour

EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
through skin.
TWA: 308 mg/m³ 8 hours.
TWA: 50 ppm 8 hours.
TWA: 50 ppm 8 hours.

EU OEL (Europe, 12/2009). Notes: list of binding occupational exposure limit values
TWA: 0.15 mg/m³ 8 hours.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Type	Exposure	Value	Population	Effects
DNEL	Short term	289 mg/m ³	Workers	Systemic
DNEL		306 mg/m ³	Workers	Local
DNE		400	\\/ a w s a wa	Cuatamia
		bw/day		Systemic
DNEL		85 mg/m³	Workers	Systemic
DNEL	Short term	174.25 mg/	Consumers	Systemic
DNEI			Concumora	Local
	Inhalation	m³	Consumers	
DNEL	Long term Dermal		Consumers	Systemic
DNEL	Long term		Consumers	Systemic
DNE		0.4 ====//-	Canauma a #a	Cuatamia
DINEL	Long term Oral		Consumers	Systemic
DNEL	Short term Inhalation		Workers	Systemic
DNEL	Short term Dermal	43 mg/kg	Workers	Systemic
DNEL	Short term Dermal		Workers	Local
DNEL	Short term	299 mg/m³	Workers	Local
DNEL	Long term Dermal	3.7 mg/kg	Workers	Systemic
DNEL	Long term	15 mg/m ³	Workers	Systemic
DNEL	Long term Dermal	0.66 mg/	Workers	Local
DNEL	Long term Inhalation	32.23 mg/ m³	Workers	Local
	DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	DNEL Short term Inhalation Short term Inhalation DNEL Long term Dermal DNEL Short term Inhalation DNEL Short term Inhalation DNEL Long term Dermal DNEL Long term Oral DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Dermal DNEL Short term Dermal DNEL Short term Inhalation DNEL Long term Dermal DNEL Long term	DNEL Short term Inhalation DNEL Short term John John John John John John John John	DNEL Short term Inhalation DNEL Long term Dermal Short term Inhalation DNEL Long term Dermal Short term Inhalation DNEL Short term Inhalation DNEL Long term Dermal Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Dermal DNEL Long term Dermal DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL

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DNEL	Short term Dermal	21 mg/kg bw/day	Consumers	Systemic
DNEL	Short term	149 mg/m³	Consumers	Systemic
DNEL	Short term Oral	21 mg/kg bw/day	Consumers	Systemic
DNEL	Short term Dermal	0.5 mg/cm ²		Local
DINEL	Inhalation	0.042 mg/	Consumers	Local
DNEL	Long term Dermal	3 mg/kg bw/day	Consumers	Systemic
DNEL	Long term Inhalation	12 mg/m³	Consumers	Systemic
DNEL	Long term Oral	1.1 mg/kg bw/day	Consumers	Systemic
DNEL	Long term Dermal	0.28 mg/ cm ²	Consumers	Local
DNEL	Long term Inhalation	16.62 mg/ m³	Consumers	Local
DNEL	Long term Dermal	281 mg/kg bw/day	-	Systemic
DNEL	Long term Inhalation	0.5 mg/m³	-	Local
DNEL	Short term Dermal	0.04 mg/ kg bw/day	Workers	Systemic
DNEL	Short term Dermal	0.04 mg/ cm ²	Workers	Local
DNEL	Long term Dermal	0.04 mg/ kg bw/day	Workers	Systemic
DNEL	Long term Dermal	0.04 mg/ cm ²	Workers	Local
DNEL	Short term Inhalation	0.8 mg/m³	Workers	Local
DNEL	Short term	0.8 mg/m³	Workers	Systemic
DNEL	Long term	0.4 mg/m³	Workers	Systemic
DNEL	Long term Inhalation	0.4 mg/m³	Workers	Local
	DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL	DNEL Short term Inhalation Short term Oral DNEL Short term Dermal Short term Inhalation DNEL Long term Dermal DNEL Short term Dermal DNEL Long term Dermal DNEL Short term Inhalation DNEL Long term	DNEL Short term Inhalation DNEL Short term Oral Short term Dermal DNEL Short term Dermal DNEL Short term Dermal Inhalation DNEL Long term Dermal Short term Dermal DNEL Long term Dermal Inhalation DNEL Long term Dermal DNEL Short term Dermal DNEL Short term Dermal DNEL Long term Dermal DNEL Long term Dermal DNEL Short term DNEL Sho	DNEL Short term Inhalation DNEL Short term Oral Short term Oral Short term Dermal DNEL Short term Dermal DNEL Short term Dermal DNEL Long term Dermal Inhalation DNEL Long term Dermal DNEL Short term Dermal DNEL Short term Dermal DNEL Long term Dermal DNEL DNEL Dneg term Dermal DNEL DNEL Dneg term Dermal DNEL Dneg term Dermal DNEL Dneg term Dermal DNEL Short term Dnermal Dnermal DNEL Short term Dnermal D

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
rene	Fresh water	0.028 mg/l	-
	Marine water	0.0028 mg/l	-
	Fresh water sediment	0.614 mg/kg dwt	-
	Marine water sediment	0.0614 mg/kg dwt	-
	Soil	0.2 mg/kg dwt	-
	Sewage Treatment Plant	5 mg/l	-
1,5,6,7,7-hexachlorobicyclo [2,2,1]heptene-2,3-dicarboxylic anhydride	Fresh water	0.097 mg/l	-
• •	Marine water	0.0097 mg/l	-
	Fresh water sediment	0.097 mg/kg	-
	Marine water sediment	0.0097 mg/kg	-
	Soil	0.106 mg/kg	-
	Sewage Treatment Plant	16.23 mg/l	-
timony trioxide	Fresh water	0.113 mg/l	-
•	Marine water	0.0113 mg/l	-
	Fresh water sediment	7.8 mg/kg wwt	-
	Marine water sediment	1.56 mg/kg wwt	-
	Soil	37 mg/kg dwt	-

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•	-		
	Soil	32.6 mg/kg wwt	-
	Sewage Treatment	2.55 mg/l	-
	Plant	-	
maleic anhydride	Fresh water	0.04281 mg/l	-
	Marine water	0.004281 mg/l	-
	Fresh water sediment	0.334 mg/kg dwt	-
	Marine water sediment	0.0334 mg/kg dwt	-
	Soil	0.0415 mg/kg dwt	-
	Sewage Treatment	44.6 mg/l	-
	Plant		

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.

Colour : Not available. **Odour** : Solvent Not available. **Odour threshold** pΗ : Not available. Melting point/freezing point : Not available.

Initial boiling point and boiling range

: Closed cup: 32°C Flash point

Evaporation rate : Not available. Flammability (solid, gas) Not available. : Not applicable. **Burning time Burning rate** : Not applicable.

Upper/lower flammability or

explosive limits

: Not available.

: Not available.

: Not available. Vapour pressure Vapour density : Not available. **Relative density** 1.1 to 1.2 : Not available. Solubility(ies) : Not available. Solubility in water

Partition coefficient: n-octanol/ : Not available.

water

Auto-ignition temperature : Not available. **Decomposition temperature** : Not available.

Viscosity : Kinematic (40°C): >0.4 cm²/s

Explosive properties : Not available. **Oxidising properties** : Not available.

9.2 Other information

Heat of combustion : Not available. **Enclosed space ignition -**: Not applicable.

Time equivalent

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of : Under normal conditions of storage and use, hazardous reactions will not occur. hazardous reactions

10.4 Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials : Reactive or incompatible with the following materials:

oxidizing materials

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SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
fyrene	LC50 Inhalation Gas.	Rat	2770 ppm	4 hours
	LC50 Inhalation Vapour	Rat	11800 mg/m ³	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	2650 mg/kg	-
,4,5,6,7,	LC50 Inhalation Vapour	Rat	>203 mg/l	1 hours
-hexachlorobicyclo [2,2,1]	·			
ept-5-ene-2,3-dicarboxylic				
nhydride				
	LD50 Dermal	Rabbit	>10000 mg/kg	-
	LD50 Oral	Rat	2300 mg/kg	-
ntimony trioxide	LC50 Inhalation Dusts and	Rat	>5200 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rabbit	>8300 mg/kg	-
	LD50 Oral	Rat	>20000 mg/kg	-
is(2-chloro-1-methylethyl)	LD50 Dermal	Rabbit	>5000 mg/kg	-
hosphate				
	LD50 Oral	Rat	1500 mg/kg	-
hlorobenzene	LD50 Dermal	Rabbit	>7940 mg/kg	-
,2-bis(bromomethyl)	LD50 Dermal	Rat	>5000 mg/kg	-
ropane-1,3-diol				
	LD50 Oral	Rat	>2000 mg/kg	-
obalt bis(2-ethylhexanoate)	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
naleic anhydride	LD50 Dermal	Rabbit	2620 mg/kg	-
	LD50 Oral	Rat	400 mg/kg	-
-methoxy-2-propanol	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	6600 mg/kg	-
thanediol	LD50 Oral	Rat	4700 mg/kg	-

Conclusion/Summary

: Not available.

Acute toxicity estimates

Route	ATE value
Inhalation (gases)	54928.3 mg/kg 11900.4 ppm 50.69 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
styrene	Eyes - Mild irritant	Human	-	50 parts per million	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Moderate irritant	Rabbit	_	100 Percent	-
1,4,5,6,7, 7-hexachlorobicyclo [2,2,1] hept-5-ene-2,3-dicarboxylic anhydride	Eyes - Severe irritant	Rabbit	-	100 milligrams	-



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SECTION 11: Toxicological information

1,4,5,6,7,7-hexachloro-8,9, 10-trinorborn-5-ene-2, 3-dicarboxylic acid	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	-
, ,	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
2,2-bis(bromomethyl) propane-1,3-diol	Skin - Mild irritant	Rabbit	-	0.5 Grams	-
1-methoxy-2-propanol	Skin - Mild irritant	Rabbit	-	500 milligrams	-
ethanediol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	1 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	6 hours 1440 milligrams	-
	Skin - Mild irritant	Rabbit	-	555 milligrams	-
lead compounds	Skin - Mild irritant	Rabbit	-	24 hours 100 milligrams	-

Conclusion/Summary

Sensitisation

Conclusion/Summary

Mutagenicity

Conclusion/Summary

Carcinogenicity

Conclusion/Summary

Reproductive toxicity

Conclusion/Summary

Teratogenicity

: Not available.

Conclusion/Summary : Not available. Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
s fyrene	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
styrene 1,4,5,6,7,7-hexachlorobicyclo [2,2,1]hept-5-ene-2, 3-dicarboxylic anhydride	Category 1 Category 2	Not determined All	hearing organs Not determined
maleic anhydride	Category 1 Category 2	Inhalation Oral	respiratory system kidneys

Aspiration hazard

Product/ingredient name	Result
styrene	ASPIRATION HAZARD - Category 1

Information on likely routes : Not available.

of exposure

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Harmful if inhaled. May cause respiratory irritation.

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SECTION 11: Toxicological information

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced foetal weight increase in foetal deaths skeletal malformations

Skin contact : Adverse symptoms may include the following:

> irritation redness

reduced foetal weight increase in foetal deaths skeletal malformations

Ingestion Adverse symptoms may include the following:

> reduced foetal weight increase in foetal deaths skeletal malformations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate

effects

: Not available.

Potential delayed effects

: Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
styrene	Chronic NOAEL Dermal	Rat	615 mg/kg	-
	Chronic NOAEL Inhalation Gas.	Rat	20 ppm	8 hours
1,4,5,6,7,	Chronic NOAEL Oral	Rat	1242 mg/kg	-
7-hexachlorobicyclo [2,2,1] hept-5-ene-2,3-dicarboxylic anhydride				
	Chronic NOAEL Dermal	Rabbit	2500 mg/kg	-
	Chronic NOAEL Inhalation Dusts and mists	Rat	9970 mg/m³	14 days

Conclusion/Summary

: Not available.

General

Causes damage to organs through prolonged or repeated exposure. Once

sensitized, a severe allergic reaction may occur when subsequently exposed to very

low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity Suspected of damaging the unborn child.

Developmental effects : No known significant effects or critical hazards.

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SECTION 11: Toxicological information

Fertility effects : No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
s tyrene	Acute EC50 1400 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 33 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4700 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 52 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 4020 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1.01 mg/l	Daphnia	21 days
1,4,5,6,7, 7-hexachlorobicyclo [2,2,1] hept-5-ene-2,3-dicarboxylic anhydride	Acute EC50 97.2 mg/l Fresh water	Algae	72 hours
	Acute EC50 110.7 mg/l	Daphnia	48 hours
	Acute LC50 422.7 mg/l	Fish	96 hours
	Acute NOEC 48.4 mg/l Fresh water	Algae	72 hours
antimony trioxide	Acute EC50 >36.6 mg/l	Algae	72 hours
	Acute EC50 >25.5 mg/l	Aquatic plants	4 days
	Acute EC50 560 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 423450 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 6.9 mg/l Marine water	Fish - Pagrus major	96 hours
	Chronic NOEC 2.11 to 4 mg/l	Algae	72 hours
	Chronic NOEC 1.74 to 3.13 mg/l	Daphnia	21 days
	Chronic NOEC 1.13 to 2.31 mg/l	Fish	28 days
chlorobenzene	Chronic NOEC 2 mg/kg Fresh water	Fish - Carassius auratus	30 days
2,2-bis(bromomethyl) propane-1,3-diol	Acute LC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/kg	Fish	96 hours
maleic anhydride	Acute LC50 230 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
ethanediol	Acute LC50 6900000 μg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 41000000 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8050000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
lead compounds	Acute LC50 132 μg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 298 μg/l Fresh water	Fish - Pimephales promelas - Neonate	96 hours

Conclusion/Summary: Not available.

12.2 Persistence and degradability

Conclusion/Summary: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
styrene antimony trioxide	-	-	Readily Readily
tris(2-chloro-1-methylethyl) phosphate	-	-	Not readily
2,2-bis(bromomethyl) propane-1,3-diol	-	-	Inherent
cobalt bis(2-ethylhexanoate)	-	-	Not readily

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SECTION 12: Ecological information

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
s tyrene	0.35	13.49	low
1,4,5,6,7,	1.39	-	low
7-hexachlorobicyclo [2,2,1]			
hept-5-ene-2,3-dicarboxylic			
anhydride			
tris(2-chloro-1-methylethyl)	2.68	0.8 to 2.8	low
phosphate			
chlorobenzene	2.46	4.3 to 40	low
1,4,5,6,7,7-hexachloro-8,9,	-	2.09	low
10-trinorborn-5-ene-2,			
3-dicarboxylic acid			
2,2-bis(bromomethyl)	1.08	4.79	low
propane-1,3-diol			
cobalt bis(2-ethylhexanoate)	-	15600	high
maleic anhydride	-2.78	-	low
1-methoxy-2-propanol	<1	-	low
ethanediol	-1.36	-	low
(2-methoxymethylethoxy) propanol	0.004	-	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

PVPVB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste Packaging

: The classification of the product may meet the criteria for a hazardous waste.

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

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SECTION 13: Disposal considerations

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	UN1866	UN1866	UN1866
14.2 UN proper shipping name	RESIN SOLUTION	RESIN SOLUTION	Resin solution
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III	III	III
14.5 Environmental hazards	No.	No.	No.
Additional information	Mazard identification number 30 Limited quantity 5 L Special provisions 640E Tunnel code (D/E)	Emergency schedules F-E, _S-E_ Special provisions 223, 955	Quantity limitation Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355. Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L. Packaging instructions: Y344. Special provisions A3

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Annex XVII - Restrictions: Restricted to professional users. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

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SECTION 15: Regulatory information

Other EU regulations

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
s tyrene	-	-	Repr. 2, H361d (Unborn child)	-
1,4,5,6,7, 7-hexachlorobicyclo [2,2,1] hept-5-ene-2, 3-dicarboxylic anhydride	Carc. 2, H351 (oral)	-	-	-
antimony trioxide 1,4,5,6,7,7-hexachloro-8,9, 10-trinorborn-5-ene-2, 3-dicarboxylic acid	Carc. 2, H351 Carc. 2, H351	-	-	-
2,2-bis(bromomethyl) propane-1,3-diol	Carc. 2, H351 (oral)	Muta. 2, H341 (oral)	-	-
cobalt bis (2-ethylhexanoate)	-	-	-	Repr. 2, H361f (Fertility)
lead compounds	-	-	Repr. 1A, H360D (Unborn child) Lact., H362	Repr. 1A, H360F (Fertility)

Seveso Directive

This product is controlled under the Seveso Directive.

Named substances

Name

Frsenic trioxide, arsenious (III) acid and/or salts

Danger criteria

Category

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b

National regulations

Product/ingredient name	List name	Name on list	Classification	Notes
cobalt bis(2-ethylhexanoate)	UK Occupational Exposure Limits EH40 - WEL	cobalt compounds	Carc.	-

International regulations

Listed on inventory. : Not determined

15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

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SECTION 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Carc. 2, H351	Calculation method
Repr. 2, H361d (Unborn child)	Calculation method
STOT SE 3, H335	Calculation method
STOT RE 1, H372	Calculation method

Full text of abbreviated H statements

Full text of classifications

[CLP/GHS]

: H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. Causes serious eye irritation. H319 H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H341 Suspected of causing genetic defects if swallowed.

(oral)

H351 Suspected of causing cancer if swallowed.

(oral)

H351 Suspected of causing cancer.

H360FD May damage fertility. May damage the unborn child.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H362 May cause harm to breast-fed children.

H372 Causes damage to organs through prolonged or repeated exposure if

(inhalation) inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure if

(oral) swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

H412 Harmful to aquatic life with long lasting effects.

: Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4

Acute Tox. 4, H332 ACUTE TOXICITY (inhalation) - Category 4

Aquatic Acute 1, H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category

Aquatic Chronic 1, H410 LONG-TERM (CHRONIC) AQUATIC HAZARD -

Category 1

Aquatic Chronic 2, H411 LONG-TERM (CHRONIC) AQUATIC HAZARD -

Category 2

Aquatic Chronic 3, H412 LONG-TERM (CHRONIC) AQUATIC HAZARD -

Category 3

Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1
Carc. 2, H351 (oral) CARCINOGENICITY (oral) - Category 2
CARCINOGENICITY - Category 2

Eye Dam. 1, H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3

Lact., H362 REPRODUCTIVE TOXICITY - Effects on or via lactation Muta. 2, H341 (oral) GERM CELL MUTAGENICITY (oral) - Category 2 REPRODUCTIVE TOXICITY (Fertility and Unborn child) -

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SECTION 16: Other information

Category 1A

Repr. 2, H361d
Repr. 2, H361f
Repr. 2, H361f
Repr. 2, H361f
Repr. 2, H361f
Reproductive Toxicity (Fertility) - Category 2
Resp. Sens. 1, H334
Skin Corr. 1B, H314
Skin Irrit. 2, H315
Skin Sens. 1, H317
Skin Sens. 1A, H317
Skin Sens. 1A, H317
Reproductive Toxicity (Unborn child) - Category 2
Reproductive Toxicity (Fertility) - Category 1
SKIN CORROSION/IRRITATION - Category 1
SKIN SENSITISATION - Category 1
SKIN SENSITISATION - Category 1

STOT RE 1, H372 SRIN SENSITISATION - Category TA
STOT RE 1, H372 SPECIFIC TARGET ORGAN TOXICITY - REPEATED

(inhalation) EXPOSURE (inhalation) - Category 1 STOT RE 1, H372 SPECIFIC TARGET ORGAN TOXICITY - REPEATED

EXPOSURE - Category 1

STOT RE 2, H373 (oral) SPECIFIC TARGET ORGAN TOXICITY - REPEATED

EXPOSURE (oral) - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED

EXPOSURE - Category 2

STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE

EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE

EXPOSURE (Narcotic effects) - Category 3

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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