OTTO CHEMIE PVT LTD

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MATERIAL SAFETY DATA SHEET

1.Identification 1.1GHS Product identifier p-Rosolic acid Code R 1358				
2.Hazard identification 2.1Classification of the substance or mixture Skin irritation, Category 2 Eye irritation, Category 2 Specific target organ toxicity \u2013 single exposure, Category 3 2.2GHS label elements, including precautionary statements Pictogram(s)				
Signal word	Warning			
Hazard statement(s)	H315 Causes skin irritation			
	H319 Causes serious eye irritation			
Precautionary statement(s)	H335 May cause respiratory irritation			
Prevention	P264 Wash thoroughly after handling.			
Flevendon	P280 Wear protective gloves/protective clothing/eye			
	protection/face protection.			
	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.			
	P271 Use only outdoors or in a well-ventilated area.			
Response	P302+P352 IF ON SKIN: Wash with plenty of water/			
	P321 Specific treatment (see on this label).			
	P332+P313 If skin irritation occurs: Get medical advice/attention.			
7	P362+P364 Take off contaminated clothing and wash it before			
	reuse.			
The States	P305+P351+P338 IF IN EYES: Rinse cautiously with water for			
	several minutes. Remove contact lenses, if present and easy to			
	do. Continue rinsing.			
	P337+P313 If eye irritation persists: Get medical advice/attention.			
18	P304+P340 IF INHALED: Remove person to fresh air and keep			
1 million	comfortable for breathing. P312 Call a POISON CENTER/doctor/\u2026if you feel unwell.			
Storage	P403+P233 Store in a well-ventilated place. Keep container tightly			
clolugo	closed.			
	P405 Store locked up.			
Disposal	P501 Dispose of contents/container to			
2.30ther hazards which do				
none				

3.Composition/information on ingredients

3.1Substances					
Chemical name	Common names and synonyms	CAS	EC	Concentration	
<u> </u>		number	number	e ee e a don	
4-[bis(4-	A_[bis(A_				
hydroxyphenyl)methylidene]cyclohexa-	hydroxyphenyl)methylidene]cyclohexa-	45-2	none	100%	
2,5-dien-1-one	2,5-dien-1-one	40-2			

4.First-aid measures

4.1Description of necessary first-aid measures

General advice

1.Identification

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2Most important symptoms/effects, acute and delayed no data available 4.3Indication of immediate medical attention and special treatment needed, if necessary no data available 5.Fire-fighting measures 5.1Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2Specific hazards arising from the chemical

no data available

5.3Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6.Accidental release measures

6.1Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. 6.3Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7.Handling and storage

7.1Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2. 7.2Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8.Exposure controls/personal protection

8.1Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

8.2Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. 8.3Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available

9. Physical and chemical properties

Physical state	red crystals or powder
Colour	no data available
Odour	no data available
Melting point/ freezing point	
Boiling point or initial boiling	155\u00b0C/18mmHg(lit.)
point and boiling range	
Flammability	no data available
Lower and upper explosion	no data available
limit / flammability limit	

Flash point	134\u00b0C(lit.)
Auto-ignition temperature	no data available
Decomposition temperature	no data available
рН	no data available
Kinematic viscosity	no data available
Solubility	no data available
Partition coefficient n-	no data available
octanol/water (log value)	
Vapour pressure	no data available
Density and/or relative	1.315 g/cm3
density	-
Relative vapour density	no data available
Particle characteristics	no data available
10.Stability and reactivity	
10.1Reactivity	

10. Including no data available 10.2Chemical stability Stable under recommended storage conditions. 10.3Possibility of hazardous reactions no data available 10.4Conditions to avoid no data available 10.5Incompatible materials no data available 10.6Hazardous decomposition products no data available

11.Toxicological information Acute toxicity Oral: no data available Inhalation: no data available Dermal: no data available Skin corrosion/irritation no data available Serious eye damage/irritation no data available Respiratory or skin sensitization no data available Germ cell mutagenicity no data available Carcinogenicity no data available Reproductive toxicity no data available STOT-single exposure no data available STOT-repeated exposure no data available Aspiration hazard no data available

12.Ecological information 12.1Toxicity Toxicity to fish: no data available Toxicity to daphnia and other aquatic invertebrates: no data available Toxicity to algae: no data available Toxicity to microorganisms: no data available 12.2Persistence and degradability no data available 12.3Bioaccumulative potential no data available 12.4Mobility in soil no data available 12.5Other adverse effects no data available

13.Disposal considerations 13.1Disposal methods Product The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14.2UN Proper Shipping Name Intervention ADRRID: CORROSIVE LIQUID, FLAMMABLE, N.O.S. IMDG: CORROSIVE LIQUID, FLAMMABLE, N.O.S. IATA: CORROSIVE LIQUID, FLAMMABLE, N.O.S. 14.3Transport hazard class(es) ADRRID: 8 IMDG: 8 14.4Packing group, if applicable ADRRID: 10 IMDG: 11 14.5Environmental hazards ADRRID: no IMDG: no 15.Regulatory information 15.1Safety, health and environmental regulations specific for the product in question Chemical name Common names and synonyms Afs-2 none 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one 2,5-dien-1-one <th>14.Transport information 14.1UN Number ADR/RID: UN2920</th> <th>IMDG: UN2920</th> <th>IATA: UN2920</th> <th></th> <th></th>	14.Transport information 14.1UN Number ADR/RID: UN2920	IMDG: UN2920	IATA: UN2920			
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Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.