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ReAgent

GENTIAN VIOLET LRG MSDS

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

| | |
|---------------------|---|
| PRODUCT NAME | GENTIAN VIOLET LRG |
| CAS-No. | 548-62-9 |
| EU INDEX NO. | - - - |
| EC No. | 208-953-6 |
| SUPPLIER | Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk |
| PRODUCT NO. | 2329 |
| APPLICATION | General chemical reagent |
| EMERGENCY TELEPHONE | Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00 |

2 HAZARDS IDENTIFICATION

Harmful if swallowed. Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause cancer. Possible risk of irreversible effects.

CLASSIFICATION (67/548) Carc. Cat. 1;R45.Xn;R22. Muta. Cat. 3;R68. Xi;R41. N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|--------------|-----------|
| EU INDEX NO. | - - - |
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| CAS-No. | 548-62-9 |

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. Unless contact has been slight, obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Combustible. Water spray, foam, dry powder or carbon dioxide.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Chlorine compounds. Nitrous gases (NOx).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

GENTIAN VIOLET LRG**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Small Spillages: Mix with sand. Large Spillages: Contain and mix spillage with sand, earth or other inert, non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Provide adequate ventilation and appropriate extraction to avoid occupational exposure. If dusts are generated then work in a fume cupboard

RESPIRATORY EQUIPMENT

Wear suitable dust respirator if dusts are generated and there is insufficient ventilation or extraction.

HAND PROTECTION

Wear protective gloves. Rubber or plastic Gloves showing signs of degradation should be changed to avoid skin contamination.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination. Wear rubber or plastic apron and full length gauntlets if handling large amounts. If there is a risk of splashing then wear a face shield.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated. Promptly remove contaminated clothing and wash before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------------|----------------------------|---|--------------|
| APPEARANCE | Solid | | |
| COLOUR | Dark green | | |
| ODOUR | Odourless | | |
| SOLUBILITY | Slightly soluble in water. | | |
| MELTING POINT (°C) | 190 | RELATIVE DENSITY | 1.19 |
| pH-VALUE, DILUTED SOLUTION | 3.1% | SOLUBILITY VALUE (g/100g H ₂ O@20°C) | Approx. 1.6g |

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

MATERIALS TO AVOID

Oxidising agents. Strong acids.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 420 mg/kg (oral rat)

INHALATION

Irritation of the respiratory tract.

INGESTION

May irritate and cause stomach pain, vomiting and diarrhoea. May cause severe internal injury.

SKIN CONTACT

May irritate the skin and cause staining. May be harmful if the product enters the bloodstream due to breaks in the skin.

EYE CONTACT

Irritating to eyes. Risk of serious damage to eyes.

GENTIAN VIOLET LRG

HEALTH WARNINGS

Found to cause cancer in laboratory animals.

OTHER HEALTH EFFECTS

Carcinogen Category 2.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow to enter drinking water, waste water or soil.

LC 50, 96 Hrs, FISH mg/l 0.7mg/l (S. gairdnerii)

BIOACCUMULATION

Low bioaccumulation potential.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



| | | | |
|----------------------|--|------------------|---|
| UK ROAD CLASS | 9 | | |
| PROPER SHIPPING NAME | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(CRYSTAL VIOLET) | | |
| UN NO. ROAD | 3077 | UK ROAD PACK GR. | III |
| ADR CLASS NO. | 9 | ADR CLASS | Class 9: Miscellaneous dangerous substances and articles. |
| ADR PACK GROUP | III | ADR LABEL NO. | 9 |
| HAZCHEM CODE | 2X | CEFIC TEC(R) NO. | 90GM7-III |
| RID CLASS NO. | 9 | RID PACK GROUP | III |
| UN NO. SEA | 3077 | IMDG CLASS | 9 |
| IMDG PAGE NO. | 9 | IMDG PACK GR. | III |
| EMS | F-A, S-F | MFAG | See Guide |
| UN NO. AIR | 3077 | AIR CLASS | 9 |
| AIR PACK GR. | III | | |

15 REGULATORY INFORMATION

LABELLING



Toxic



Dangerous for the environment

RISK PHRASES

| | |
|--------|--|
| R22 | Harmful if swallowed. |
| R41 | Risk of serious damage to eyes. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R45 | May cause cancer. |
| R68 | Possible risk of irreversible effects. |

SAFETY PHRASES

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| S22 | Do not breathe dust. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

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| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S60 | This material and its container must be disposed of as hazardous waste. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION

GENERAL INFORMATION

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISION COMMENTS

General rewrite

REVISION DATE 07/01/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 20580

SAFETY DATA SHEET STATUS

Approved.