5-Chloro-2-methyl-4-isothiazolin-3-one (cas 26172-55-4) MSDS

MATERIAL SAFETY DATA SHEET

GAMMA STABILISER & REPLENISHER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIERS
Gamma Stabiliser & Replenisher
Product Name
103460
Product Code
-
Other Names
Photographic print rinse concentrate
Product Use
Australian Photographic Engineering Pty Ltd
Importer Name
1052 Dayboro Rd
Address
Kunwongbah QLD 4503
Telephone Number
07 3889 8272
Emergency Telephone
1300 727 906

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Classified as hazardous according to the criteria of NOHSC.
X - Irritant
Hazards
C - Corrosive
R36/38 - Irritating to eyes and skin.
Risk Phrases
R43 - May cause sensitisation by skin contact.
S2 - Keep out of reach of children.
Safety Phrases
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of water.
S36/3/7/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name) CAS Number Proportion
5-chloro-2-methyl-4-isothiazolin-3-one 26172-55-4 <0.5%
2-methyl-4-isothiazolin-3-one 2682-20-4 <0.1%

4. FIRST AID MEASURES

Inhalation of the liquids is unlikely to occur. No vapour hazard exists.
Inhalation under normal conditions of use.
Rinse mouth with water and drink about two glasses of water. Do not induce vomiting. Seek immediate medical attention.

Remove any contaminated clothing. Wash skin thoroughly with cold water then with a neutral cleanser and water. Thoroughly wash contaminated clothing before re-use. Seek medical attention if irritation develops.
Flush immediately with eye-wash solution or clean water for several minutes holding the eyelids apart. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
Suitable for the surrounding fire.
Suitable Extinguishing Media
If involved in a major fire toxic gases could be produced.
Hazardous Combustion Products
Self-contained breathing apparatus and protective clothing.
Firefighting Equipment
No information available.
Unusual Fire or Explosion Hazards
2X Hazchem Code

6. ACCIDENTAL RELEASE MEASURES

Contain leak and spill from spreading. Wear protective clothing to prevent contact with skin and eyes. Ensure spill area is well ventilated. Prevent spillages from entering drain by absorption using inert absorbent material (e.g. dry sand or earth) and transfer to an approved container. Wash area with soap and water.

7. HANDLING AND STORAGE

When handling product concentrate, avoid contact with eyes, skin handling clothing. Use in a well ventilated area.
Keep container tightly closed. Store in a dry, well ventilated area at a moderate temperature. Store away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No exposure standards set.
Exposure Standards (NOHSC)
Ensure good ventilation of the whole working area.
Not required under normal conditions.

Respiratory Protection
Wear safety glasses with side-shield as the minimum level of Eye Protection.
Wear impervious gloves when handling concentrates and to Skin Protection prevent contact with the working strength solution.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Pale green liquid
Appearance
Slight Odour
Completely soluble
Solubility in water
<0??C
Freezing Point
5
pH at 20??C
1.03
Relative Density at 20??C
Not flammable

Flammability

10. STABILITY AND REACTIVITY

Stable under recommended storage and use conditions.
Chemical Stability
Avoid contact with strong acids and oxidising agents.
Incompatible Materials
None under normal conditions of use.
Hazardous Decomposition
Products
No information available.

Hazardous Polymerization
High temperatures.
Conditions to Avoid

11. TOXICOLOGICAL INFORMATION

Toxicity Isothiazoline Mixture:
LD50 = 457 mg/kg (oral-rat)
Inhalation, ingestion, eye and skin
Routes of Exposure
Inhalation: No vapour hazard exists under normal conditions of exposure.
Health effects from likely use.

Ingestion: May cause irritation of the gastrointestinal tract.
Eye: Likely to cause irritation.
Skin: May cause irritation.
Prolonged and repeated contact may cause allergic skin reaction

Effects of Overexposure

Localised allergic contact dermatitis may occur in sensitive existing conditions. The risk of sensitization is greater when the skin barrier is damaged, e.g., when eczema is already present.

No information available.

Carcinogenicity

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12. ECOLOGICAL INFORMATION

The following summary of expected environmental effect is based on known data for the principal ingredients and on the physical and chemical properties of the preparation. The presence of biocides will result in toxicity to plant and animal organisms in the aquatic environment. These effects are rapidly reduced by the effects of dilution, oxidation and photodecomposition and the product has little or no potential to persist in a harmful form.

As a result of the above properties, precautions should be taken to avoid release of the product or working strength solution into the environment.

No information available.

Mobility

13. DISPOSAL CONSIDERATIONS

Dispose according to applicable local and state government disposal methods and regulations.

Surplus product or working strength solution: Do not dispose of either concentrate or working strength solution into drains, sewers or waterways or on to soil.

Plastic containers: Rinse thoroughly with water and dispose as solid waste to landfill or recycle where possible.

Cardboard cartons: Recycle where possible or treat as solid waste.

Please consult your state Land Waste Management Authority for special precautions for more information.

14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

1760

UN Number

CORROSIVE, LIQUID, N.O.S. (Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one)

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Dangerous Goods Class

Hazchem Code 2X
II
Packaging Group
Not applicable
Special Precautions

15. REGULATORY INFORMATION

5-chloro-2-methyl-3-isothiazolone and 2-methyl-4-isothiazolin-3-one are listed in the Australian
Inventory of Chemical Substances (AICS).

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16. OTHER INFORMATION

Rev 1.0 (11/12/2006)
Last Revision of MSDS
MSDS.COM.AU Pty Ltd www.msds.com.au
Prepared by
IARC: International Agency for Research on Cancer
Abbreviations Used
NOHSC: National Occupational Health and Safety Commission
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average
Emergency Contacts

Australian Photographic Engineering Pty Ltd 07 3889 8272
Australian Photographic Engineering Pty Ltd ?? Emergency Number 1300 727 906
Police and Fire Brigade 000
Poisons Information Centre 13 11 26

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warrant the accuracy of the data herein. The user is cautioned to make their own determinations
as to the suitability of the information provided to the particular circumstances in which the product
is used.

Please read instructions / label before using product.

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