



Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 55130
Catalog Name: Wetting tension test mixture 60.0mN/m

Company Identification:

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SECTION 2 HAZARDS IDENTIFICATION

GHS classification

Physical and chemical hazard

Flammable liquids : Out of category
Pyrophoric liquids : Out of category

Human health hazard

Acute toxicity(oral) : Out of category
Acute toxicity(dermal) : Out of category
Acute toxicity(inhalation: dust, mists)
: Out of category

Skin corrosion/Irritation
: Category 3

Serious eye damage/Eye irritation
: Category 2B

Germ cell mutagenicity
: Out of category

Reproductive toxicity
: Out of category

Environmental hazard

Hazardous to the aquatic environment-acute hazard
: Out of category

Hazardous to the aquatic environment-chronic hazard
: Out of category

Signal word : Warning

Hazard statement : Causes mild skin irritation

Causes eye irritation

Cautions

First-aid measures : If in eyes : Rinse cautiously with water for several minutes.
Get medical treatment.
If on skin : Remove contaminated clothing and the substance.
If skin irritation occurs, get medical treatment.
Wash hands thoroughly after handling.

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture
Chemical name or commercial name : Formamide, victoria pure blue BO
Ingredients and composition : The mixture of 80.0v/v% formamide and 20.0v/v% water solution contains about 0.03% victoria pure blue BO as a coloring agent.
Chemical formula : Formamide HCONH₂
Victoria pure blue BO C₃₃H₄₀CIN₃
CAS No. : Formamide 75-12-7
Victoria pure blue BO 2390-60-5
Dangerous and hazardous ingredients : Formamide

SECTION 4 FIRST AID MEASURES

Inhalation: Remove the victim to fresh air, and make him blow his nose and gargle.
Skin contact: Wash the affected areas under running water.
Eye contact : Wash the affected areas under running water for at least 15minutes.
If necessary, get medical treatment.
Ingestion : Give the victim water or salt water and make him vomit. Get medical attention
Protection for first aid person : Savers wear proper protective equipment like rubber gloves, goggles

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media: Water, dry chemical powder, carbon dioxide, dry sand
Prohibited extinguishing media: None
Particular fire fighting : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.
Dry chemical powder, carbon dioxide or dry sand should be used for small fires.
Foam extinguisher is effective for a large scale fire.
Protection for firefighters: Wear breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Cautions for personnel : Wear proper protective equipment and avoid contact with skin and inhalation of vapor. Keep away personnel and perform the operation at upwind area.

Shut off all sources of ignition.

Cautions for environment : Attention should be given not to cause damage to the environment by flowing of spillage to rivers. In case of the dilution of copious water, do not cause damage to the environment by untreated wastewater.

Removal measure : Absorb spill with paper or cloth.

Prevention of second accident : Remove nearby sources of ignition and prepare extinguishing media.

SECTION 7 HANDLING AND STORAGE

Handling

Engineering measures : Wear proper equipment not to contact with skin or inhale the vapor.
Fire is strictly prohibited.
Ventilate well at working places.

Cautions for safety handling

: Use with an enclosed system or a local exhaust ventilation.

Cautions

: Do not contact with oxidizing substances.

Storage

Adequate storage condition

: Store the bottle tightly closed in a cool, dark place because the substance has hygroscopic property.

Safety adequate container materials

: Glass, fluorine resin
Do not use polyvinyl chloride resin, polystyrene.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering measures : Use only with adequate ventilation and in closed systems.

Control parameters

ACGIH(2009) : 10ppm (as Formamide) (TLV--TWA)

Protective equipment

Respiration protective equipment: If necessary, wear chemical cartridge respirator with an organic vapor cartridge

Hands protective equipment

: Impervious protective gloves

Eyes protective equipment

: Safety goggles

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Color : Blue
Odor : Odorless
Boiling point : Not available
Melting point : Not available
Flash point : more than 154
Auto-ignition point : more than 500
Explosion characteristics .

Carcinogenic effects : Not possible to classify because of insufficient data
Effects on the reproductive system
: Out of category

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Fish toxicity : Acute aquatic toxicity : Out of category
Chronic aquatic toxicity : Out of category
Red killifish LC50 >100mg/l/96H

Rediability and degradability

: High biodegradability

Ecorediability: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Residual disposal : Burn in a chemical incinerator equipped with an afterburner and a scrubber. Or entrust approved waste disposal companies with the disposal.
Containers : In case of disposal of empty bottles, dispose bottles after removing the content thoroughly

SECTION 14 TRANSPORT INFORMATION

UN class : Not applicable

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
:Not available

Chemical Safety Assessment
:Not available

SECTION 16 OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.
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