

**SAFETY DATA SHEET**

Revision Date: 10/08/2021

Print Date: 4/27/2022

SDS Number: R0717535

Version: 1.2

Optiphen™ MIT ULTRA preservative
™ Trademark, Ashland or its subsidiaries, registered
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29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : Optiphen™ MIT ULTRA
preservative
™ Trademark, Ashland or its subsidiaries, registered in
various countries

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

Recommended use : Personal care

Details of the supplier of the safety data sheet

Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America (USA)
1-614-790-3333 (USA)

EHSProductSafety@ashland.com

Emergency telephone number

1-800-ASHLAND (1-800-274-5263)

Regulatory information

1-614-790-3333 (customer service)

Product Information

1-614-790-3333 (USA)

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitization : Category 1

GHS label elements

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Hazard pictograms

:



Signal Word

: Danger

Hazard Statements

: Harmful if swallowed or if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary Statements

: **Prevention:**
Avoid breathing mist or vapors.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/ eye protection/ face protection.
Response:
IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
If skin irritation or rash occurs: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
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ALKYL GLYCOL	254504001-5231	Not a hazardous substance or mixture.	>= 15.00 - < 20.00
ORGANIC COMPOUND	800986-5753P	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 STOT SE 3; H335	>= 1.50 - < 5.00
The identity and concentration of one or more component(s) is being withheld under business confidentiality.			
3-Phenylpropan-1-ol	122-97-4	Skin Irrit. 2; H315	75.00

SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: Move to fresh air. IF INHALED: Call a POISON CENTER/ doctor if you feel unwell. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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Continue rinsing eyes during transport to hospital.
 Remove contact lenses.
 Protect unharmed eye.

If swallowed : Obtain medical attention.
 Do NOT induce vomiting.
 Rinse mouth with water.
 Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
 stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
 Difficulty in breathing
 Harmful if swallowed or if inhaled.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye damage.

Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Water spray
 Foam
 Carbon dioxide (CO2)
 Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.
 Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion : Carbon dioxide (CO2)



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products

Carbon monoxide
 Aldehydes
 Hydrocarbons
 Ketones
 Nitrogen oxides (NOx)
 Hydrogen chloride gas

Specific extinguishing
 methods

:

Product is compatible with standard fire-fighting agents.

Further information

:

Fire residues and contaminated fire extinguishing water must
 be disposed of in accordance with local regulations.

Special protective equipment
 for firefighters

:

In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,
 protective equipment and
 emergency procedures

:

Use personal protective equipment.
 Ensure adequate ventilation.
 Persons not wearing protective equipment should be excluded
 from area of spill until clean-up has been completed.

Environmental precautions

:

Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform
 respective authorities.

Methods and materials for
 containment and cleaning up

:

Soak up with inert absorbent material (e.g. sand, silica gel,
 acid binder, universal binder, sawdust).
 Keep in suitable, closed containers for disposal.

Other information

:

Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against
 fire and explosion

:

Normal measures for preventive fire protection.

Advice on safe handling

:

Do not breathe vapours/dust.
 Do not smoke.
 Persons susceptible to skin sensitisation problems or asthma,

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allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Container hazardous when empty.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes.

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national regulations.

- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Recommended storage temperature : 41 - 77 °F / 5 - 25 °C
- Further information on storage stability : Protect from frost.

No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

ALKYL GLYCOL	254504001-5231	TWA	10 mg/m3	US WEEL
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The identity and concentration of one or more component(s) is being withheld under business confidentiality.

Hazardous components without workplace control parameters

Components	CAS-No.
ORGANIC COMPOUND	800986-5753P
3-Phenylpropan-1-ol	122-97-4

- Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

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- Respiratory protection** : In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.
- Hand protection**
Material : butyl-rubber
Break through time : 480 min
Glove thickness : > 0.5 mm
- Remarks** : The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection** : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.
Maintain eye wash station in immediate work area.
- Skin and body protection** : Wear as appropriate:
Impervious clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Discard gloves that show tears, pinholes, or signs of wear.
Wear resistant gloves (consult your safety equipment supplier).
- Hygiene measures** : Wash hands before breaks and at the end of workday.
When using do not eat or drink.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : liquid
- Physical state** : liquid
- Colour** : colourless, yellow
- Odour** : characteristic



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Odour Threshold : No data available

pH : No data available

Melting point/freezing point : not determined

Boiling point/boiling range : 212 °F / 100 °C

Flash point : 106.16 °C Value for Component

Evaporation rate : not determined

Upper explosion limit : Upper explosion limit
not determined

Lower explosion limit : Lower explosion limit
not determined

Vapour pressure : not determined

Relative vapour density : not determined

Relative density : No data available

Density : 1.01 - 1.02 g/cm³

Solubility(ies)

Water solubility : 0.6 g/l

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not determined

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Oxidizing properties : Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.



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Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources. excessive heat Exposure to sunlight. Exposure to moisture
Incompatible materials	: Amines isocyanates mercaptans Oxidizing agents Reducing agents reactive metals such as aluminum and magnesium Strong acids strong bases
Hazardous decomposition products	Carbon monoxide Carbon dioxide (CO ₂) Nitrogen oxides (NO _x) Sulphur oxides Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation Skin contact Eye contact Ingestion
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Acute toxicity

Harmful if swallowed or if inhaled.

Components:

ALKYL GLYCOL:

Acute oral toxicity : LD50 (Rat): 22,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
 Assessment: Not classified as acutely toxic by dermal absorption under GHS.
 Remarks: No mortality observed at this dose.

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ORGANIC COMPOUND:

Acute oral toxicity : LD50 (Rat, male): 235 mg/kg
 LD50 (Rat, female): 183 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.11 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 242 mg/kg

Components:

3-Phenylpropan-1-ol:

Acute oral toxicity : LD50 (Rat): 2,300 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Components:

ALKYL GLYCOL:

Species: Rabbit

Result: No skin irritation

ORGANIC COMPOUND:

Species: Rabbit

Result: Corrosive after 3 minutes to 1 hour of exposure

Components:

3-Phenylpropan-1-ol:

Species: Rabbit

Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

ALKYL GLYCOL:

Species: Rabbit

Result: No eye irritation

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ORGANIC COMPOUND:

Result: Corrosive

Components:

3-Phenylpropan-1-ol:

Result: Slight, transient irritation

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

ALKYL GLYCOL:

Test Type: Local lymph node assay

Species: Mouse

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 429

ORGANIC COMPOUND:

Assessment: The product is a skin sensitiser, sub-category 1A.

Germ cell mutagenicity

Not classified based on available information.

Components:

ALKYL GLYCOL:

Genotoxicity in vitro

: Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

ORGANIC COMPOUND:

Genotoxicity in vitro

: Test Type: in vitro assay

Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

ORGANIC COMPOUND:

Exposure routes: Inhalation

Target Organs: Respiratory Tract

Assessment: May cause respiratory irritation.



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STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Acute aquatic toxicity Category 1; Very toxic to aquatic life.

Long-term (chronic) aquatic hazard : Chronic aquatic toxicity Category 1; Very toxic to aquatic life with long lasting effects.

Components:

ALKYL GLYCOL:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 29,485 - 39,339 mg/l
 Exposure time: 96 h
 Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l
 Exposure time: 48 h
 Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 24,200 mg/l
 End point: Growth inhibition



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Exposure time: 72 h

Test Type: static test

ORGANIC COMPOUND:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.07 mg/l
 Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.07 mg/l
 Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 4.77 mg/l
 Exposure time: 96 h
 Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.18 mg/l
 Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.158 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201

M-Factor (Short-term (acute) aquatic hazard) : 10

3-Phenylpropan-1-ol:
 Toxicity to fish : LC50 (Fish): 130 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Water flea (Daphnia)): 74 mg/l
 Exposure time: 48 h

Toxicity to algae : EC50 (green algae): 33 mg/l
 Exposure time: 72 h

Persistence and degradability

Components:

ALKYL GLYCOL:

Biodegradability : Result: Readily biodegradable.
 Biodegradation: 81 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F

ORGANIC COMPOUND:

Biodegradability : Result: Not readily biodegradable.
 Biodegradation: 0.32 %
 Exposure time: 28 d



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Method: OECD Test Guideline 301B

3-Phenylpropan-1-ol:
 Biodegradability

: Result: Readily biodegradable.
 Biodegradation: 83 %
 Exposure time: 28 d
 Method: OECD Test Guideline 301F

No data available

Bioaccumulative potential

Components:

ALKYL GLYCOL:

Partition coefficient: n-
 octanol/water : log Pow: -0.92

ORGANIC COMPOUND:

Partition coefficient: n-
 octanol/water : log Pow: -0.486 (24 °C)

3-Phenylpropan-1-ol:

Partition coefficient: n-
 octanol/water : log Pow: 1.6 (35 °C)
 Method: OECD Test Guideline 117

No data available

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological
 information : An environmental hazard cannot be excluded in the event of
 unprofessional handling or disposal., Very toxic to aquatic life
 with long lasting effects.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice

: The product should not be allowed to enter drains, water
 courses or the soil.
 Do not contaminate ponds, waterways or ditches with
 chemical or used container.
 Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and
 federal regulations.



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Contaminated packaging : Empty remaining contents.
 Dispose of as unused product.
 Empty containers should be taken to an approved waste
 handling site for recycling or disposal.
 Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
-----------	----------------------	---------------	--------------------	---------------	------------------------------

U.S. DOT - ROAD

Not dangerous goods

CFR_RAIL_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

TDG_RAIL_C

Not dangerous goods

TDG_INWT_C

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

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Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MX_DG

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant

yes

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION**TSCA list**

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:
2-METHYL-4-ISOTHIAZOLIN-3-ONE 2682-20-4

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

: Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation

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SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Pennsylvania Right To Know**

ALKYL GLYCOL

254504001-

5231

ORGANIC COMPOUND

800986-5753P

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

3-Phenylpropan-1-ol

122-97-4

WATER

7732-18-5

New Jersey Right To Know

ALKYL GLYCOL

254504001-

5231

ORGANIC COMPOUND

800986-5753P

The identity and concentration of one or more component(s) is being withheld under business confidentiality.

3-Phenylpropan-1-ol

122-97-4

WATER

7732-18-5

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:



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TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory

Inventories

AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TECI (Thailand), TSCA (USA)

Other regulations

US. Drug Enforcement Administration (DEA) Listed Precursor and Essential Chemicals (21 CFR 1310) Not applicable

SECTION 16. OTHER INFORMATION

Further information

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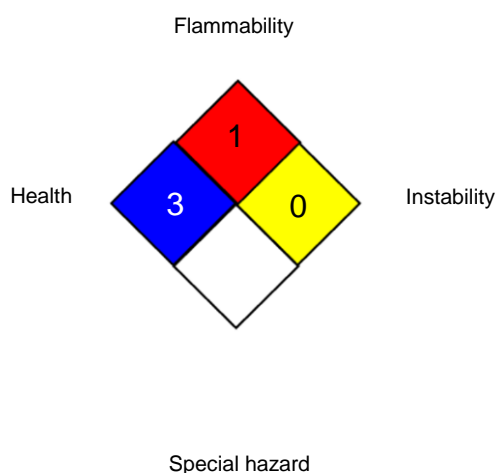
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NFPA 704:



HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of H-Statements

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory

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concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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