

# SAFETY DATA SHEET

Issuing Date 13-2-2023

## SECTION 1: Identification of the hazardous chemical and of the supplier

### Chemical Name

Product name DB513INK

### Other means of identification

### Recommended use of the chemical and restrictions on use

Recommended use Printing ink

Uses advised against No information available

### Company

Inkminic Logo Technology  
(Guangzhou) Co., Ltd

### Chemical Emergency Phone

#### Number:

020-32954560 (24 Hours)

## Section 2: Hazard identification

### GHS Classification

Flammable liquids	Category 2 - (H225)
Skin corrosion/ irritation	Category 2 - (H315)
Serious eye damage/ eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)

### Label elements



### Signal word

Danger  
Contains Methyl ethyl ketone

### Hazard statements

H225 - Highly flammable liquid and vapor  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
AUH066 - Repeated exposure may cause skin dryness or cracking

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/ protective clothing/ eye protection/ face protection  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/ bond container and receiving equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Use explosion-proof electrical/ ventilating / lighting/ equipment  
Keep cool

### Precautionary Statements - Response

Specific treatment  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
If skin irritation occurs: Get medical advice/attention  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

### Precautionary Statements - Storage

Maintain air gap between stacks/pallets  
Store in a dry place

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Other hazards which do not result in classification

May be harmful if swallowed  
May be harmful in contact with skin  
Harmful to aquatic life with long lasting effects  
Toxic to aquatic life

**General Hazards** No information available

## Section 3: Composition and information on ingredients

### Substance

Not applied

### Mixture

#### Chemical nature

Preparation.

Chemical name	CAS No.	Weight-%
Methyl ethyl ketone	78-93-3	70 - 80
Propylene glycol monomethyl ether acetate	108-65-6	5- 10
Xylenes (o-, m-, p- isomers)	1330-20-7	<5

3,4-Epoxy cyclohexanecarboxylic acid (3,4-epoxycyclohexylmethyl) ester	2386-87-0	<1
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#### Additional information

This mixture contains  $\geq 1\%$  titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.

## Section 4: First-aid measures

### Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Emergency telephone number</b>	Poisons Information Center, Australia: 13 1 1 26 Poisons Information Center, New Zealand: 0800 764 766
<b>Inhalation</b>	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## Section 5: Fire-fighting measures

### Suitable Extinguishing Media

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
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<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
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### Specific hazards arising from the chemical

<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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### Special protective actions for fire-fighters

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## **Section 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### **Environmental precautions**

<b>Environmental precautions</b>	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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### **Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### **Precautions to prevent secondary hazards**

<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.
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## **Section 7: Handling and storage**

### **Precautions for safe handling**

<b>Advice on safe handling</b>	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

### **Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep containers tightly closed in a dry, cool and well-ventilated place.
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**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents.

## SECTION 8: Exposure controls and personal protection

### Control parameters

#### Exposure Limits

Chemical name	Australia	ACGIH TLV
Methyl ethyl ketone 78-93-3	150 ppm 445 mg/m <sup>3</sup> 300 ppm STEL 890 mg/m <sup>3</sup> STEL	STEL: 300 ppm TWA: 200 ppm
Propylene glycol monomethyl ether acetate 108-65-6	50 ppm 274 mg/m <sup>3</sup> 100 ppm STEL 548 mg/m <sup>3</sup> STEL	
Xylenes (o-, m-, p- isomers) 1330-20-7	80 ppm 350 mg/m <sup>3</sup> 150 ppm STEL 655 mg/m <sup>3</sup> STEL	STEL: 150 ppm TWA: 100 ppm

Chemical name	Australia	ACGIH
Methyl ethyl ketone 78-93-3	-	2 mg/L
Xylenes (o-, m-, p- isomers) 1330-20-7	-	1.5 g/g creatinine - urine (Methylhippuric acids) - end of shift

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/ face protection

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields.

#### Skin and body protection

Wear suitable protective clothing. Long sleeved clothing.

#### Hand protection

Wear suitable gloves. Impervious gloves.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### Environmental exposure controls

No information available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state****Appearance**

Color :blue

Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	-85 °C	
Boiling point / boiling range	75 °C	
Flash point	-9 °C	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	12.0	
Lower flammability or explosive limits	0.6	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.915	
Water solubility	partly soluble	
Solubility(ies)	No data available	None known
Partition coefficient	log P(o/w) = 0.26	
Autoignition temperature	200 °C	
Hyphen	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidizing properties	No information available	

**Other information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	81.91
Liquid Density	No information available
Bulk density	ND

**Section 10: Stability and reactivity****Reactivity**

Reactivity No information available.

**Chemical stability**

Stability Stable under normal conditions.

**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

**Possibility of hazardous reactions**

Possibility of hazardous reactions Conditions to avoid

Hazardous polymerization Incompatible materials**Conditions to avoid**

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None under normal processing.

no.

Heat, flames and sparks.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products**

**Hazardous decomposition products** none.

**Section 11: Toxicological information**

**Acute toxicity**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

**Symptoms** Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	3,962.30 mg/kg
<b>ATEmix (dermal)</b>	4,753.50 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	32.30 mg/l

**Unknown acute toxicity** 16.8841102 % of the mixture consists of ingredient(s) of unknown toxicity  
 8.8538302 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 10.1038302 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 20.7423702 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 20.7423702 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 16.8841102 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone	2483 mg/kg ( Rat )	= 5000 mg/kg ( Rabbit )	= 11700 ppm ( Rat ) 4 h
Propylene glycol monomethyl ether acetate	= 8532 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 mg/m <sup>3</sup> ( Rat ) 6 h
Xylenes (o-, m-, p- isomers)	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	29.08 mg/L [MOE Risk Assessment Vol. 1, 2002]
3,4-Epoxyoctahydro-2H-chromene-2-carboxylic acid (3,4-epoxyoctahydro-2H-chromene-2-carboxylic acid methyl ester)	= 5000 mg/kg ( Rat )	= 23600 mg/kg ( Rabbit )	-

See section 16 for terms and abbreviations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**



<b>Skin corrosion/ irritation</b>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/ eye irritation</b>	Classification based on data available for ingredients. Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Australia
3,4 - Epoxycyclohexanecarboxylic acid (3,4-epoxycyclohexylmethyl) ester - 2386-87-0	Carc. 2

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: Ecological information

#### Ecotoxicity

<b>Ecotoxicity</b>	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
<b>Unknown aquatic toxicity</b>	0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Algae/ aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methyl ethyl ketone	-	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	-	EC50: >520mg/L (48h, Daphnia magna) EC50: =5091mg/L (48h, Daphnia magna) EC50: 4025 - 6440mg/L (48h, Daphnia magna)
Propylene glycol monomethyl ether acetate	-	LC50: =161mg/L (96h, Pimephales promelas)	-	EC50: >500mg/L (48h, Daphnia magna)

Xylenes (o-, m-, p-isomers)	-	<p>LC50: =13.4mg/L (96h, Pimephales promelas)</p> <p>LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss)</p> <p>LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss)</p> <p>LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus)</p> <p>LC50: =19mg/L (96h, Lepomis macrochirus)</p> <p>LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus)</p> <p>LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas)</p> <p>LC50: =780mg/L (96h, Cyprinus carpio)</p> <p>LC50: &gt;780mg/L (96h, Cyprinus carpio)</p> <p>LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)</p>	-	<p>EC50: =3.82mg/L (48h, water flea)</p> <p>LC50: =0.6mg/L (48h, Gammarus lacustris)</p>
3,4-Epoxy cyclohexanecarboxylic acid (3,4-epoxycyclohexylmethyl) ester	-	<p>LC50: =24mg/L (96h, Oncorhynchus mykiss)</p>	-	-

#### Persistence and degradability

**Persistence and degradability** No information available.

#### Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Partition coefficient
Methyl ethyl ketone	0.3
Propylene glycol monomethyl ether acetate	1.2
Xylenes (o-, m-, p- isomers)	3.15
3,4-Epoxy cyclohexanecarboxylic acid (3,4-epoxycyclohexylmethyl) ester	1.34

#### Mobility

**Mobility in soil** No information available.

**Mobility** No information available.

#### Other adverse effects

**Other adverse effects** No information available.

### **SECTION 13: Disposal information**

#### Waste treatment methods

**Waste from residues/ unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

### **SECTION 14: Transportation information**

#### IATA

<b>UN number</b>	UN1210
<b>Proper Shipping Name</b>	Printing ink
<b>Transport hazard class(es)</b>	3
<b>Packing group</b>	II

# **IMDG**

**UN number** UN1210  
**Proper Shipping Name** Printing ink  
**Transport hazard class(es)** 3  
**Packing group** II  
**EmS-No** F-E, S-D

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 No information available

## **Section 15: Regulatory information**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **National regulations**

##### **Australia**

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 4

##### **Major hazard (accident/incident planning) regulation**

Verify that license requirements are met

##### **Hazardous chemical**

Liquids with flash points <61°C kept above their boiling points at ambient conditions

Threshold quantity (T)  
 200

##### **National pollutant inventory**

Subject to reporting requirement

Chemical name	National pollutant inventory
Methyl ethyl ketone - 78-93-3	10 tonne/yr Threshold category 1 20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Propylene glycol monomethyl ether acetate - 108-65-6	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Xylenes (o-, m-, p- isomers) - 1330-20-7	10 tonne/yr Threshold category 1 including individual or mixed isomers 20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total

##### **Banned and/or restricted**

This product contains one or more substance(s) subject to prohibition, authorization or restriction. Verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are met.

##### **International Inventories**

###### **TSCA**

Contact supplier for inventory compliance status.

###### **DSL/NDSL**

Contact supplier for inventory compliance status.

<b>EINECS/ ELINCS</b>	Contact supplier for inventory compliance status.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<b>AICS</b>	Contact supplier for inventory compliance status.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/ NDSL** - Canadian Domestic Substances List/ Non-Domestic Substances List  
**EINECS/ ELINCS** - European Inventory of Existing Chemical Substances/ European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applied

**The Stockholm Convention on Persistent Organic Pollutants** Not applied

**The Rotterdam Convention** Not applied

**Section 16: Other information**

**Issuing Date** 29-Apr-2022

**Revision date** 29-Apr-2022

**Revision Note**

The symbol (\*) in the margin of this SDS indicates that this line has been revised.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U. S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U. S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U. S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

**Disclaimer**

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

**End of Safety Data Sheet**