# STANGEL THE METALWORKING FLUIDS & LUBRICANTS

# SAFETY DATA SHEET

#### 1. Identification

Product identifier STARBRIGHT™ 411 BLUE

METALWORKING FLUID

Other means of identification

SDS number Not applicable

Recommended use METALWORKING FLUID

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Milacron Marketing Company LLC

3000 Disney Street Cincinnati, Ohio 45209

Telephone (General

Information)

513-458-8199

**Emergency telephone** 

number

1-800-424-9300 (CHEMTREC)

Emergency telephone number (outside USA)

1-703-527-3887 (CHEMTREC)

# 2. Hazard(s) identification

Physical hazardsCorrosive to metalsCategory 1Health hazardsSkin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 2Sensitization, skinCategory 1

Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement May be corrosive to metals. Causes skin irritation. May cause an allergic skin reaction. Causes

serious eye irritation. May cause respiratory irritation.

**Precautionary statement** 

**Prevention** Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing

dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing

should not be allowed out of the workplace. Avoid release to the environment.

Response IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention. 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Take off contaminated clothing and

wash it before reuse.

**Storage** Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place. Store away

from incompatible materials. Store in accordance with local/regional/national/international

regulation.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

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Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES		64742-52-5	7 - 13
ALCOHOLS, (C=10-16), ETHOXYLATED PROPOXYLATED		69227-22-1	1 - 5
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- TRIAZINE		4719-04-4	1 - 5
MONOETHANOLAMINE		141-43-5	1 - 5
N-BUTYLETHANOLAMINE		111-75-1	1 - 5
TRIETHANOLAMINE		102-71-6	1 - 5
Other components below reportable level	s		60 - 100

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Get medical attention if symptoms persist.

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing Skin contact

and shoes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing

before reuse.

Immediately flush eves with plenty of water for at least 15 minutes. Remove contact lenses, if Eve contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs, Ingestion

keep head low so that stomach content doesn't get into the lungs. Call a POISON CENTER or

May cause respiratory irritation. May cause an allergic skin reaction. Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

doctor/physician if you feel unwell.

**Most important** symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

vision. Skin irritation. Defatting of the skin. Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

**General information** If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in

attendance.

# 5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that

are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing

media

Not applicable, non-combustible.

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment

and precautions for firefighters

Wear suitable protective equipment.

Fire fighting equipment/instructions

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

In the event of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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# Methods and materials for containment and cleaning up

Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Do not flush spill to drain. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. Contact local authorities in case of spillage to drain/aquatic environment.

# 7. Handling and storage

#### Precautions for safe handling

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not ingest. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material on clothing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Use only in well-ventilated areas. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Practice good housekeeping. Handle and open container with care. Do not empty into drains.

# Conditions for safe storage, including any incompatibilities

To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep this material away from food, drink and animal feed. Do not allow material to freeze. Room temperature - normal conditions. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

Value

### 8. Exposure controls/personal protection

#### Occupational exposure limits

U.S. - OSHA

SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)	PEL	5 mg/m3	
US. OSHA Table Z-1 Limits for Air (	Type	Value	
MONOETHANOLAMINE (CAS 141-43-5)	PEL	6 mg/m3	
,		3 ppm	
US. NIOSH: Pocket Guide to Chemi	cal Hazards		
	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	15 mg/m3	
		6 ppm	
	TWA	8 mg/m3	
		3 ppm	
ACGIH			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5) US. ACGIH Threshold Limit Values	TWA	5 mg/m3	
	Туре	Value	
MONOETHANOLAMINE (CAS 141-43-5)	STEL	6 ppm	

Type

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#### **US. ACGIH Threshold Limit Values**

Type Value

TRIETHANOLAMINE (CAS TWA 5 mg/m3
102-71-6)

MONOETHANOLAMINE TWA 3 ppm
(CAS 141-43-5)

Appropriate engineering

controls

Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is

recommended.

Skin protection

Hand protection Use protective gloves made of: Nitrile.Other Wear suitable protective clothing and gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

**Odor threshold** 

When using, do not eat, drink or smoke. Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### 9. Physical and chemical properties

Appearance CLEAR
Physical state Liquid.
Form Liquid.
Color Not available.

**Odor** Chemical

**pH** 10.0

Melting point/freezing point  $< 30 \,^{\circ}\text{F} (< -1.1 \,^{\circ}\text{C})$ Initial boiling point and boiling  $> 212 \,^{\circ}\text{F} (> 100 \,^{\circ}\text{C})$ 

range

Flash point Not Applicable

**Evaporation rate** Like water when diluted

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

wer Not available.

(%)

Flammability limit - upper

(%)

Not available.

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.

Solubility(ies) 100 % Water Miscible

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

pH in aqueous solution 9.0 @ 5% Specific gravity 1.037 **VOC ASTM D2369** 11 %

## 10. Stability and reactivity

May be corrosive to metals. The product is stable and non-reactive under normal conditions of Reactivity

use, storage and transport.

Material is stable under normal conditions. **Chemical stability** 

Possibility of hazardous

reactions

Incompatible materials

occur. Contact with incompatible materials.

Conditions to avoid

Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.

No dangerous reaction known under conditions of normal use. Hazardous polymerization does not

Strong oxidizing substances. Strong acids. Avoid contact with acids and oxidizing substances.

Hazardous decomposition

products

Smoke, fumes, oxides of nitrogen, and oxides of carbon

# 11. Toxicological information

## Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Causes skin irritation. May cause sensitization by skin contact. This product is not expected to Skin contact

cause skin sensitization.

Eve contact Causes serious eye irritation.

May be harmful if swallowed. Expected to be a low ingestion hazard. Ingestion

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin. May cause an allergic

skin reaction.

#### Information on toxicological effects

May cause an allergic skin reaction. May cause respiratory irritation. May be harmful if swallowed. Acute toxicity

Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

**Species Test Results** Components

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

Acute

Dermal

Rabbit LD50 > 2000 mg/kg

Oral

LD50

Rat 1.1 g/kg

ALCOHOLS, (C=10-16), ETHOXYLATED PROPOXYLATED (CAS 69227-22-1)

**Acute** 

Oral

> 5000 mg/kg LD50 Rat

MONOETHANOLAMINE (CAS 141-43-5)

**Acute** 

Dermal

LD50 Rabbit 1025 mg/kg

Inhalation

LC50 Mouse > 1210 mg/m<sup>3</sup>

Oral

LD50 Guinea pig 620 mg/kg

> Mouse 700 mg/kg Rat 1515 mg/kg

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Components **Test Results Species** 

N-BUTYLETHANOLAMINE (CAS 111-75-1)

**Acute** 

Dermal

Rabbit LD50 > 2000 mg/kg

Oral

LD50 Rat 1150 - 7270 mg/kg

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Inhalation

LC50 Rat > 5 mg/l, 4 hours

Oral

LD50 Rat > 5000 mg/kg

TRIETHANOLAMINE (CAS 102-71-6)

**Acute** 

Dermal

Rabbit LD50 > 2000 mg/kg

Oral

LD50 Guinea pig 5300 mg/kg

> Rat 8 g/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of skin.

Serious eve damage/eve

irritation

Direct contact with eyes may cause temporary irritation. Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization May cause an allergic skin reaction. This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** 

May be harmful if swallowed and enters airways. **Chronic effects** Prolonged exposure may cause chronic effects.

**Further information** Symptoms may be delayed.

12. Ecological information

Contains a substance which causes risk of hazardous effects to the environment. **Ecotoxicity** 

**Test Results** Components **Species** 

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

Aquatic

Fish LC50 Rainbow trout.donaldson trout 0.05 - 0.089 mg/l, 96 hours

(Oncorhynchus mykiss)

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Components Species Test Results

MONOETHANOLAMINE (CAS 141-43-5)

Aquatic

Fish LC50 Rainbow trout.donaldson trout 114 - 196 mg/l, 96 hours

(Oncorhynchus mykiss)

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

Aquatic

Acute

Crustacea EC50 Daphnia > 1000 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) > 30000 mg/l, 96 hours

TRIETHANOLAMINE (CAS 102-71-6)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 - 658.3 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 10610 - 13010 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** 

Partition coefficient n-octanol / water (log Kow)

MONOETHANOLAMINE -1.31 TRIETHANOLAMINE -1

**Mobility in soil** This product is miscible in water.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

#### 13. Disposal considerations

**Disposal instructions**Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with

chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Do not re-use empty containers.

#### 14. Transport information

DOT

UN number UN3267

**UN proper shipping name** Corrosive liquid, basic, organic, n.o.s. (MONOETHANOLAMINE, TRIETHANOLAMINE)

Transport hazard class(es)

Class 8
Subsidiary risk Label(s) 8
Packing group III

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB3, T7, TP1, TP28

Packaging exceptions154Packaging non bulk203Packaging bulk241

Supplemental Information: This Product Concentrate is corrosive only to Aluminum. Per 49CFR 173.154(d)(1) Except for a hazardous substance, a hazardous waste, or a marine pollutant, a material classed as Class 8 Packing Group III, solely because of its corrosive effect on aluminum - is not subject to any other requirements of this subchapter when transported by motor vehicle or rail car in packaging that will not react or be degraded by the corrosive material.

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

#### **IATA**

**UN number** UN3267

**UN** proper shipping name Corrosive liquid, basic, organic, n.o.s. (MONOETHANOLAMINE, TRIETHANOLAMINE)

Transport hazard class(es)

Class 8 Subsidiary risk Ш Packing group **Environmental hazards** No. 8L **ERG Code** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed.

Cargo aircraft only Allowed.

**IMDG** 

**UN** number UN3267

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (MONOETHANOLAMINE, **UN proper shipping name** 

TRIETHANOLAMINE)

Not established.

Transport hazard class(es)

Class 8 Subsidiary risk **Packing group** Ш **Environmental hazards** 

No. Marine pollutant F-A. S-B **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

DOT



IATA; IMDG



## 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311

and 312 if specific threshold criteria are met or exceeded.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S-1.0 % One-Time Export Notification only.

TRIAZINE (CAS 4719-04-4)

#### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

#### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
3-IODO-2-PROPYNYL BUTYLCARBAMATE	55406-53-6	0.1 - 1

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

# Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

(SDWA)

**US** state regulations

Not regulated.

Food and Drug

Administration (FDA)

Not regulated.

and may be reportable under the provisions of SARA Sections 311 and 312. US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Product is a hazardous substance as defined under the OSHA Hazard Communication Standard

#### Not listed. **US. Massachusetts RTK - Substance List**

MONOETHANOLAMINE (CAS 141-43-5) TRIETHANOLAMINE (CAS 102-71-6)

## US. New Jersey Worker and Community Right-to-Know Act

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

MONOETHANOLAMINE (CAS 141-43-5) TRIETHANOLAMINE (CAS 102-71-6)

## US. Pennsylvania Worker and Community Right-to-Know Law

MONOETHANOLAMINE (CAS 141-43-5) TRIETHANOLAMINE (CAS 102-71-6)

#### **US. Rhode Island RTK**

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

**California South Coast Air Quality Management** District (SCAQMD) Rule 1144 (VOC Emissions)

This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 73 g/L, measured by ASTM Method E-1868-10. This product has a specified use dilution VOC limit of 75 g/L, the maximum dilution concentration is 100 % to maintain compliance.

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

NITRILOTRIACETIC ACID (CAS 139-13-9) Listed: January 1, 1988

#### **International Inventories**

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No

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Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates this product co	amplies with the inventory requirements administered by the governing country	u(s)

<sup>&#</sup>x27;A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

# 16. Other information, including date of preparation or last revision

Issue date 03-23-2015

Version # 01

Not available. **Further information** 

**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.

**Revision Information** Product and Company Identification: Product and Company Identification

Hazards Identification: US Hazard Categories Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Transport Information: Proper Shipping Name/Packing Group

Regulatory Information: United States

HazReg Data: North America

GHS: Classification

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