

SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Preparation Date: 01/01/2019 Revision Date: N/A Revision Number: N/A

1. IDENTIFICATION

Product identifier

Product code: C6700

Product Name: N-PROPYL ALCOHOL, REAGENT, ACS

Other means of identification

Synonyms: 1-Hydroxypropane

1-Propanol 1-Propyl alcohol

Alcool propylique (French) alcohol propílico (Spanish)

Ethyl carbinol n-Propanol Optal

Osmosol Extra Propan-1-ol Propanol Propanol-1 Propylic alcohol

CAS #: 71-23-8
RTECS # UH8225000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Solvent.

Uses advised against No information available

Supplier: Dawn Scientific Inc

121 Liberty Street, Metuchen, NJ, 08840 Tel: 732-902-6300 | Fax: 973-802-1005

sales@dawnscientific.com | www.dawnscientific.com

Emergency telephone number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

| Acute toxicity - Oral | Category 4 |
|--|------------|
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |

| Specific target organ toxicity (repeated exposure) | Category 2 |
|--|------------|
| Flammable liquids | Category 2 |

Label elements

Danger

Hazard statements

Harmful if swallowed

Causes serious eye irritation

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Highly flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Can burn with an invisible flame

Causes mild skin irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/.../equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves

Wear eye/face protection

Keep cool

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

In case of fire: Use CO2, dry chemical, or foam to extinguish.

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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS-No. | Weight % |
|------------------|---------|----------|
| n-Propyl Alcohol | 71-23-8 | 100 |

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a poison specialist. Call

1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and

shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Causes serious eye irritation

Mild skin irritation

Irritating to respiratory system Central nervous system effects May cause nausea and vomiting May cause drowsiness or dizziness

Inhalation of high concentations may cause anesthetic effects

Dyspnea (Shortness of breath and difficulty breathing)

Repeated or prolonged exposure may cause dryness or cracking of the skin

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Alcohol-resistant

foam. Water spray.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter

and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: Highly flammable. May be ignited by heat, sparks or

flames. Material can burn with invisible flame. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers. For

larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid

contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use

spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed

spaces.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g.

vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far

ahead of liquid spill for later disposal.

Methods for cleaning upUse appropriate tools to put the spilled material in a suitable chemical waste

disposal container. Use clean non-sparking tools to collect absorbed material.

Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents
Potassium t-butoxide

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

| | Components | CAS-No. | OSHA | NIOSH | ACGIH | AIHA WEEL |
|---|------------------|---------|---------------------------|----------------------------|-------------|-----------|
| | n-Propyl Alcohol | 71-23-8 | 200 ppm TWA | 200 ppm TWA | 100 ppm TWA | None |
| 1 | | | 500 mg/m ³ TWA | 500 mg/m ³ TWA | | |
| 1 | | | _ | 250 ppm STEL | | |
| - | | | | 625 mg/m ³ STEL | | |

Canada

| Components | CAS-No. | Canada - Alberta | Canada - British Columbia | Canada - Ontario | Canada - Quebec |
|------------------|---------|--|------------------------------|------------------|-----------------|
| n-Propyl Alcohol | 71-23-8 | 200 ppm TWA 492 mg/m³ TWA 400 ppm STEL 984 mg/m³ STEL | 100 ppm TWA | None | None |

Australia and Mexico

| Components | CAS-No. | Australia | Mexico |
|------------------|---------|----------------------------|----------------------------|
| n-Propyl Alcohol | 71-23-8 | 250 ppm STEL | 200 ppm TWA |
| | | 614 mg/m ³ STEL | 500 mg/m ³ TWA |
| | | 200 ppm TWA | 250 ppm STEL |
| | | 492 mg/m ³ TWA | 625 mg/m ³ STEL |

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective

threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Chemical resistant apron

Long sleeved clothing

Gloves

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or

smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color: Liquid Clear. Colorless.

Odor: Taste Formula: Ethanol-like. Burning. Characteristic. Ripe. Fruity. C3-H8-O

Molecular/Formula weight (g/mole):Flammability:Flashpoint (°C/°F):60.10Highly Flammable15-23 °C/59-73.4 °F

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%):

Closed cup 371-412 °C/700-773.6 °F 2-2.3%

Upper Explosion Limit (%): Melting point/range(°C/°F): Decomposition temperature(°C/°F):

13-13.7% -127 to -126 °C/-196.6 to -194.8 °F No information available

Boiling point/range(°C/°F):97.2 °C/207 °F

Bulk density:
No information available

Density (g/cm3):
0.803

Specific gravity: pH: Vapor pressure @ 20°C (kPa):

0.8044-0.8053 No information available 2

Evaporation rate: Vapor density: VOC content (g/L):

1 (Butyl acetate = 1) 2.1 803-805

Odor threshold (ppm): Partition coefficient Viscosity:

2.6-40 (n-octanol/water): No information available

0.25

Miscibility: Solubility:

Miscible with water Freely soluble in water
Miscible with Ether Soluble in Benzene
Miscible with alcohol Soluble in Acetone

10. STABILITY AND REACTIVITY

Reactivity

Ignition occurs when potassium tert-butoxide reacts with n-propanol

Chemical stability

Stability: Stable under recommended storage conditions.

<u>Possibility of Hazardous Reactions:</u> Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents

Potassium t-butoxide

Hazardous decomposition Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid

products: smoke and irritating fumes.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Skin. Eyes. Inhalation.

Acute Toxicity

Component Information

n-Propyl Alcohol
CAS-No. 71-23-8

LD50/oral/rat = 1870 mg/kg Oral LD50 Rat (LOLI and RTECS)

2200 mg/kg (RTECS)

LD50/oral/mouse = 6800 mg/kg

LD50/dermal/rabbit = 4049 mg/kg Dermal LD50 Rabbit (LOLI)

5040 mg/kg Dermal LD50 Rabbit (RTECS)

LD50/dermal/rat = No information available

LC50/inhalation/rat = >13548 ppm Inhalation LC50 Rat 4 h

>41.8 mg/l Inhalation LC50 Rat 4 h

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = 2825 mg kg Oral LD50 Rabbit

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 1870 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 6800 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 4049 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = >13548 ppm (4-hr)

VALUE-Dust/Mist = >41.8 mg/l (4-hr.)

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation. Mild skin irritation. It may be absorbed through the skin.

Eye Contact: Causes eye irritation. Moderately irritating to the eyes. Possible eye damage.

Inhalation Irritating to respiratory system. Inhalation of high concentrations of vapor may

cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. It may affect behavior/central nervous system (ataxia, general anesthetic, drowsiness). May affect behavior/central nervous system (headache, lethargy, sleepiness, confusion, weakness, coma). May cause

dyspnea (difficulty breathing or shortness of breath). May cause nausea, vomiting.

Ingestion Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea. May affect behavior/central nervous system (dizziness, headache). It may affect behavior/central nervous system (central nervous system depression, ataxia, general anesthetic). May affect behavior/central nervous system (lethargy, fatigue, sleepiness, weakness, confusion, fainting or near fainting, coma). May affect the cardiovascular system (hypotension). May affect the cardiovascular system (slow heart rate (bradycardia)). May affect respiration

(shortness of breath).

Aspiration hazard No information available.

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

Chronic Toxicity Prolonged or repeated ingestion may affect the liver. Prolonged or repeated

inhalation may affect the brain. Prolonged or repeated inhalation may affect the liver. Repeated or prolonged skin contact may cause dryness and cracking of the

skin.

Sensitization: No information available.

Mutagenic Effects: Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not classifiable as a human carcinogen. May cause cancer based on animal test

data. Tumorigenic agent by RTECS criteria.

| Components | CAS-No. | IARC | ACGIH - Carcinogens | NTP | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|------------------|---------|------------|--|------------|---------------------------|---|---|
| n-Propyl Alcohol | 71-23-8 | Not listed | A4 Not Classifiable as a Human Carcinogen | Not listed | Not listed | Not listed | Not listed |

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: May cause adverse developmental effects based on animal data

No information on developmental toxicity effects on humans was found

Teratogenic Effects: There is limited evidence that Propyl Alcohol is a teratogen in animals

Specific Target Organ Toxicity

STOT - single exposure Respiratory system.

STOT - repeated exposure

Target Organs:

May cause damage to organs through prolonged or repeated exposure.

Liver. Central nervous system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

n-Propyl Alcohol - 71-23-8

Freshwater Fish Species Data: 4480 mg/L LC50 Pimephales promelas 96 h flow-through 1

Water Flea Data: 3642 mg/L EC50 Daphnia magna 48 h 3339 - 3977 mg/L EC50 Daphnia magna

48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

| Components | CAS-No. | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|------------------|---------|---------------------------|---------------------------|---------------------------|---------------------------|
| n-Propyl Alcohol | 71-23-8 | None | None | None | None |

14. TRANSPORT INFORMATION

DOT

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3

Subsidiary Class No information available

Packing group: II Emergency Response Guide 129

Number

Marine Pollutant Severe Marine Pollutant DOT RQ (lbs): No information available

Special Provisions B1, IB2, T4, TP1

Symbol(s): No information available **Description:** UN1274, n-Propanol, 3, II

TDG (Canada)

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant

No Information available
UN1274, n-Propanol, 3, II

ADR

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3
Packing Group: ||

Subsidiary Risk: No information available UN1274, n-Propanol, 3, II

IMO / IMDG

UN-No: UN1274
Proper Shipping Name: un-Propanol

Hazard Class: 3

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-E

Description UN1274, n-Propanol, 3, II

RID

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3
Subsidiary Risk: 3
Packing Group: ||

Description: UN1274, n-Propanol, 3, II

ICAO

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3

Subsidiary Risk: No information available

Packing Group:

Description: UN1274, n-Propanol, 3, II

Special Provisions A3

IATA

UN-No: UN1274
Proper Shipping Name: n-Propanol

Hazard Class: 3

Subsidiary Risk: No information available

Packing Group: II ERG Code: 3L

Special ProvisionsNo information available **Description:**UN1274, n-Propanol, 3, II

15. REGULATORY INFORMATION

International Inventories

| Components | CAS-No. | U.S. TSCA | KOREA KECL | Philippines (PICCS) | Japan ENCS | CHINA | Australia (AICS) | EINECS-No. |
|------------------|---------|--------------|------------|------------------------|------------|---------|---------------------|------------|
| n-Propyl Alcohol | 71-23-8 | PresentACTIV | Present | Present | Present | Present | Present | Present |
| | | E | KE-29362 | | (2)-207 | | | 200-746-9 |

U.S. Regulations

n-Propyl Alcohol

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1605

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present FDA - Direct Food Additives 21 CFR 172.515

FDA - 21 CFR - Total Food Additives 172.515, 175.105, 176.180, 176.210, 177.1200, 573.880

- List Sourced from EAFUS

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components | CAS-No. | Carcinogen | Developmental Toxicity | | Female |
|------------------|---------|------------|------------------------|------------|--------------|
| | | | 1 | | Reproductive |
| | | | | Toxicity | Toxicity: |
| n-Propyl Alcohol | 71-23-8 | Not Listed | Not Listed | Not Listed | Not Listed |

CERCLA/SARA

| | Components | CAS-No. | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|---|------------------|---------|---|---|--|------------------------------------|--|
| ١ | n-Propyl Alcohol | 71-23-8 | None | None | None | None | None |

U.S. TSCA

| Components | | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|------------------|---------|---|---|
| n-Propyl Alcohol | 71-23-8 | Not Applicable | Not Applicable |

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component n-Propyl Alcohol 71-23-8 (100) WHMIS 2015 Hazard Classification

Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; Acute toxicity - Oral - Category 4: H302 Harmful if swallowed.; Serious Eye Damage/Eye Irritation - Category 2A: H319 Causes serious eye irritation.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

| Components | WHMIS Ingredient Disclosure List - | |
|------------------|------------------------------------|--|
| n-Propyl Alcohol | 1 % | |

Inventory

| Components | CAS-No. | Canada (DSL) | Canada (NDSL) |
|------------|---------|--------------|---------------|

| n-Propyl Alcohol | J/1-23-8 | Present | Not Listed |
|------------------|----------|---------|--------------------------------------|
| | | | |
| Components | | CAS-No. | CEPA Schedule I - Toxic Substances |
| n-Propyl Alcohol | | 71-23-8 | Not listed |
| Components | | CAS-No. | CEPA - 2010 Greenhouse Gases Subject |
| | | | to Mandatory Reporting |
| n-Propyl Alcohol | | 71-23-8 | Not listed |

EU Classification

EU GHS - SV - CLP 1272/2008

| Components | CAS-No. | EU GHS - SV - CLP (1272/2008) |
|------------------|---------|---|
| n-Propyl Alcohol | 71-23-8 | Flammable liquids - Flam. Liq. 2: H225 |
| | | Highly flammable liquid and vapour.; |
| | | Serious Eye Damage/Eye Irritation - |
| | | Eye Dam. 1: H318 Causes serious eye |
| | | damage.; Specific target organ toxicity |
| | | - Single exposure - STOT SE 3: H336 |
| | | May cause drowsiness or |
| | | dizziness.603-003-00-0 |

EU - CLP (1272/2008)

R-phrase(s)

R11 - Highly flammable.

R41 - Risk of serious damage to eyes.

R67 - Vapors may cause drowsiness and diziness.

S -phrase(s)

S 7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 - Wear eye/face protection.

| Components | CAS-No. | | | Safety Phrases |
|------------------|---------|--------------------------|----------------|--------------------|
| | | | Limits: | |
| n-Propyl Alcohol | 71-23-8 | F; R11 Xi; R41 R67 | No information | S7 S16 S24 S26 S39 |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.

F - Highly flammable.





16. OTHER INFORMATION

Preparation Date: 01/01/2019

Revision Date: N/A
Prepared by: -

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Dawn Scientific Inc Chemicals & Laboratory Products, assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Dawn Scientific Inc assumes no responsibility

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End of Safety Data Sheet