



Revision date 19-May-2022 Revision Number 2

1. Identification

Product identifier

Product Name REAGENT ALCOHOL, DENATURED, REAGENT, ACS

Other means of identification

Product Code(s) A1040

UN/ID no UN1987

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use No information available

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Address

Spectrum Chemical Mfg. Corp. 14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

| Acute toxicity - Oral | Category 4 |
|--|-------------|
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Gases) | Category 4 |
| Acute toxicity - Inhalation (Vapors) | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation | Category 2A |
| Carcinogenicity | Category 1A |
| Reproductive toxicity | Category 1A |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 1 |
| Flammable liquids | Category 2 |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger

Hazard statements

Harmful if swallowed

Harmful in contact with skin

Harmful if inhaled

Causes serious eye irritation

May damage fertility or the unborn child

May cause respiratory irritation

May cause drowsiness or dizziness

Causes damage to organs through prolonged or repeated exposure

Highly flammable liquid and vapor



Appearance Clear

Physical state Liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

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

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

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see .? on this label)

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 Call a POISON CENTER or doctor if you feel unwell

IF ON SKIN (or hair): 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 comfortable for breathing

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

Rinse mouth

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

Precautionary Statements - Storage

Store locked up.

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% | Trade secret |
|-------------------------|---------|----------|--------------|
| Ethyl Alcohol 200 proof | 64-17-5 | 80 - 100 | * |
| Methyl Alcohol | 67-56-1 | 5 - <10 | * |
| Isopropyl Alcohol | 67-63-0 | 5 - <10 | * |

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. If symptoms

persist, call a physician. If breathing has stopped, give artificial respiration. Get medical

attention immediately.

Eye contact 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.

Skin contactWash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. Get medical attention.

Self-protection of the first aider 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. See section 8 for more information. Avoid

contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation. Coughing and/ or wheezing.

Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

Suitable Extinguishing Media Large Fire Dry chemical. Carbon dioxide (CO2). water spray. Alcohol resistant foam.

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

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.

Hazardous combustion products Carbon Monoxide, Carbon Dioxide.

Explosion data

Sensitivity to mechanical impact none.

Sensitivity to static discharge yes.

Special protective equipment for

fire-fighters

Personal precautions

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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. Avoid breathing

vapors or mists.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment 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.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

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. Remove contaminated clothing and shoes. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. 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. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-------------------------|-------------------|----------------|------------|
| Ethyl Alcohol 200 proof | No data available | 1000 ppm TWA | - |
| 64-17-5 | | 1900 mg/m³ TWA | |
| Methyl Alcohol | No data available | 200 ppm TWA | - |
| 67-56-1 | | 260 mg/m³ TWA | |
| Isopropyl Alcohol | No data available | 400 ppm TWA | - |
| 67-63-0 | | 980 mg/m³ TWA | |

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

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.

General hygiene considerations 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical stateLiquidAppearanceClearColorColorless

OdorNo information availableOdor thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

no data available None known -115 °C / -175 °F None known Melting point / freezing point 78 °C / 172.4 °F None known **Boiling point / boiling range** CC (closed cup) Flash point 13 °C / 55.4 °F **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 19%

limits

Lower flammability or explosive 3%

limits

Vapor pressure 6 None known
Vapor density no data available None known
Relative density 0.8 None known
Water solubility Miscible in water None known
Solubility(ies) Miscible with many organic solvents None known

Partition coefficient Autoignition temperature

no data available

None known None known

Decomposition temperature Kinematic viscosity

no data available No data available

No data available

None known None known None known

Other information

Explosive properties

Oxidizing properties

No information available

VOC Content (%) 99+ % .?

Liquid Density No information available Bulk density No information available

10. Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materialsNone known based on information supplied.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. May cause drowsiness or dizziness. Harmful by inhalation. (based on

components).

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation.

(based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation. May be absorbed through the skin in harmful amounts. Causes mild skin irritation. Harmful in contact with skin. (based on

components).

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on

components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may

cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged

contact may cause redness and irritation. Coughing and/ or wheezing.

Acute toxicity

Numerical measures of toxicity

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------------|--------------------|-------------------------|---------------------------------------|
| Ethyl Alcohol 200 proof 64-17-5 | = 7060 mg/kg (Rat) | - | 124.7 mg/L (Rat)4 h |
| Methyl Alcohol 67-56-1 | 5628 mg/kg (Rat) | 15800 mg/kg(Rabbit) | 83.2 mg/L (Rat) 4 h |
| Isopropyl Alcohol 67-63-0 | = 1870 mg/kg(Rat) | = 4059 mg/kg (Rabbit) | = 72600 mg/m ³ (Rat) 4 h |

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

Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity

May cause skin irritation. Classification based on data available for ingredients. Classification based on data available for ingredients. Causes serious eye irritation.

No information available. No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

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

| THE LADIO DOIGH HIGHCALOG | The table below indicates whether each agency has listed any ingredient as a carolingen. | | | |
|------------------------------------|--|---|-------|------|
| Chemical name | ACGIH | IARC | NTP | OSHA |
| Ethyl Alcohol 200 proof 64-17-5 | - | Group 1 - Monograph 100E [2012] in alcoholic beverages Monograph 96 [2010] in alcoholic beverages | | - |
| Methyl Alcohol 67-56-1 | GROUP 5 | - | HDFHF | JGJG |
| Isopropyl Alcohol 67-63-0 | - | Group 3 - Not classifiable - Monograph 71 [1999] Supplement 7 [1987] Monograph 15 [1977] | - | - |

Legend

Contains a known or suspected reproductive toxin. Classification based on data available Reproductive toxicity

for ingredients. May damage fertility or the unborn child.

May cause respiratory irritation. May cause drowsiness or dizziness. STOT - single exposure STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure. **Target organ effects**

liver, respiratory system, Eyes, Skin, central nervous system, blood, Gastrointestinal tract

(GI), Reproductive System.

Aspiration hazard No information available. Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life. Toxic to aquatic life with long lasting effects

| LCOLOXICITY | Toxic to aquatic life. Toxic to aquatic life with long lasting effects. | | | |
|-------------------------|---|-------------------------|----------------|------------------------|
| Chemical name | Algae/aquatic plants | Fish | Toxicity to | Crustacea |
| | | | microorganisms | |
| Ethyl Alcohol 200 proof | - | LC50: 12.0 - 16.0mL/L | - | LC50: 9268 - 14221mg/L |
| 64-17-5 | | (96h, Oncorhynchus | | (48h, Daphnia magna) |
| | | mykiss) LC50: 13400 - | | EC50: =10800mg/L (24h, |
| | | 15100mg/L (96h, | | Daphnia magna) EC50: |
| | | Pimephales promelas) | | =2mg/L (48h, Daphnia |
| | | LC50: >100mg/L (96h, | | magna) |
| | | Pimephales promelas) | | |
| Methyl Alcohol | - | LC50: 13500 - | - | - |
| 67-56-1 | | 17600mg/L (96h, | | |
| | | Lepomis macrochirus) | | |
| | | LC50: 18 - 20mL/L (96h, | | |
| | | Oncorhynchus mykiss) | | |
| | | LC50: 19500 - | | |

| | ı | | | |
|-------------------|-----------------------|------------------------|---|------------------------|
| | | 20700mg/L (96h, | | |
| | | Oncorhynchus mykiss) | | |
| | | LC50: =28200mg/L (96h, | | |
| | | Pimephales promelas) | | |
| | | LC50: >100mg/L (96h, | | |
| | | Pimephales promelas) | | |
| Isopropyl Alcohol | EC50: >1000mg/L (72h, | LC50: =11130mg/L (96h, | - | EC50: =13299mg/L (48h, |
| 67-63-0 | Desmodesmus | Pimephales promelas) | | Daphnia magna) |
| | subspicatus) EC50: | LC50: =9640mg/L (96h, | | _ |
| | >1000mg/L (96h, | Pimephales promelas) | | |
| | Desmodesmus | LC50: >1400000µg/L | | |
| | subspicatus) | (96h, Lepomis | | |
| | · | macrochirus) | | |

Persistence and degradability

No information available. Inherently biodegradable.

Bioaccumulation

Component Information

| Chemical name | Partition coefficient |
|------------------------------------|-----------------------|
| Ethyl Alcohol 200 proof 64-17-5 | -0.32 |
| Methyl Alcohol 67-56-1 | -0.77 |
| Isopropyl Alcohol 67-63-0 | 0.05 |

Other adverse effects

No information available.

13. Disposal considerations

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 of weld containers.

14. Transport information

DOT

UN/ID no UN1987 Proper Shipping Name: Alcohols, n.o.s.

Hazard class 3 Packing group:

Special Provisions172, IB2, T7, TP1, TP8, TP28Marine PollutantSevere Marine PollutantDescription:UN1987, Alcohols, n.o.s., 3, II

Emergency Response Guide

Number

127

TDG

UN-No: UN1987 Proper Shipping Name: Alcohols, n.o.s.

Hazard class 3
Packing Group: ||

Description: UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

MEX

UN-No UN1987

Proper Shipping Name Alcohols, n.o.s.

Hazard class 3
Special Provisions 274
Packing Group II

Description UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

ICAO (air)

UN-No: UN1987 Proper Shipping Name: UN1987 Alcohols, n.o.s.

Hazard class 3
Packing Group: II
Special Provisions A180, A3

Description: UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

IATA

UN number UN1987 Proper Shipping Name: UN198, n.o.s.

Transport hazard class(es) 3
Packing group | |

Description: UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

<u>IMDG</u>

UN number Proper shipping nameUN1987
Alcohols, n.o.s.

Transport hazard class(es)

Packing group

EmS-No

Special Provisions

Marine pollutant

3

F-E, S-D

274

NP1

Description UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II, (13°C c.c.)

RID

UN number UN1987 Proper Shipping Name: UN1987 Alcohols, n.o.s.

Transport hazard class(es) 3
Packing group || Classification code || F1

Special Provisions 274, 601, 640C

Description: UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

Labels 3

<u>ADR</u>

UN number 1987

Proper Shipping Name: Alcohols, n.o.s.

Transport hazard class(es) 3
Packing group II
Classification code F1
Tunnel restriction code (D/E)

Special Provisions 274, 601, 640C

Description: 1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II, (D/E)

Labels 3

<u>ADN</u>

UN/ID No UN1987
Proper shipping name Alcohols, n.o.s.

Transport hazard class(es) 3
Packing Group || Classification code || F1

Special Provisions 640C, 601, 274

Description UN1987, Alcohols, n.o.s. (Ethyl Alcohol 200 proof, Isopropyl Alcohol), 3, II

Hazard label(s) 3
Limited quantity (LQ) 1 L
ventilation VE01
Equipment Requirements PP, EX, A

15. Regulatory information

International Inventories

TSCA Complies

DSL/NDSL Complies EINECS/ELINCS Complies

ENCS This product complies with ENCS: IECSC This product complies with China:

KECL Complies **PICCS** Complies

AICS All the constituents of this material are listed on the Australian Inventory of Chemical

Substances (AICS).

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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name | SARA 313 - Threshold Values % |
|-----------------------------|-------------------------------|
| Methyl Alcohol - 67-56-1 | 1.0 |
| Isopropyl Alcohol - 67-63-0 | 1.0 |

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|----------------|--------------------------|------------------------------------|
| Methyl Alcohol | 5000 lb final RQ | - |
| 67-56-1 | 2270 kg final RQ | |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

| Chemical name | California Proposition 65 | |
|-----------------------------------|---------------------------|--|
| Ethyl Alcohol 200 proof - 64-17-5 | developmental toxicity | |
| | carcinogen | |
| Methyl Alcohol - 67-56-1 | developmental toxicity | |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|-------------------------|------------|---------------|----------------------|
| Ethyl Alcohol 200 proof | 0844 | Present | Present |
| 64-17-5 | | | |
| Methyl Alcohol | 1222 | Present | Environmental hazard |
| 67-56-1 | | | |
| Isopropyl Alcohol | 1076 | Present | Environmental hazard |
| 67-63-0 | | | |

STEL (Short Term Exposure Limit)

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA

Health hazards 2 Flammability 3 Instability 0

Physical and chemical properties -

HMIS

Health hazards 2 * Flammability 3 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend *= Chronic Health Hazard

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

Ceiling Maximum limit value

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

World Health Organization

Revision date 19-May-2022

Revision NoteNo information available.

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