

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

Revision date 06-May-2023 Version 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product No B9003

Product name S-adenosylmethionine (SAM)

Pure substance/mixture Mixture

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

Recommended use This product is for research and development only

Uses advised against

1.3. Details of the supplier of the safety data sheet

<u>Supplier Address</u> New England BioLabs 240 County Road Ipswich, MA 01938 USA

For further information, please contact

Company Phone Number 978-927-5054, 800-632-5227 (toll free)

Telefax 978-921-1350

E-mail address info@neb.com

1.4. Emergency telephone number

24 Hour Emergency Phone Number Chemtrec +44 20 3885 0382

Europe +1 978-380-2125

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| Flammable liquids | Category 3 - (H226) |
|--------------------------|---------------------|
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2. Label elements



Signal word Warning

Hazard statements

H226 - Flammable liquid and vapor

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P273 - Avoid release to the environment.

P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents/ container to an approved waste disposal plant.

Unknown aquatic toxicityContains 0 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

| Chemical | Weight-% | REACH registration | EC No (EU Index | Classification according to | Specific | M-Facto | M-Factor |
|----------|----------|--------------------|-----------------|-----------------------------|---------------|---------|-----------|
| name | | number | No) | Regulation (EC) No. | concentratio | r | (long-ter |
| | | | · | 1272/2008 [CLP] | n limit (SCL) | | m) |
| Ethanol | 7 - 13 | No data available | (603-002-00-5) | Flam. Liq. 2 (H225) | - | - | - |
| 64-17-5 | | | 200-578-6 | | | | |

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

No information available

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 | Inhalation LC50 - 4 | Inhalation LC50 - 4 |
|---------------|-----------------|-------------------|---------------------|---------------------|---------------------|
| | | | hour - dust/mist - | hour - vapor - mg/L | hour - gas - ppm |
| | | | mg/L | | |
| Ethanol | 7060 | No data available | 116.9 | No data available | No data available |
| 64-17-5 | | | 133.8 | | |

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

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.

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

and shoes.

Ingestion Rinse mouth.

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

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personal protective equipment as required. See section 8 for more information.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Effects of Exposure No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

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

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

5.2. Special hazards arising from the substance or mixture

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.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

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

Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions 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.

Other information Ventilate the area.

6.2. Environmental precautions

Environmental precautions 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.

6.3. 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.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid contact with skin and eyes. 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.

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.

7.2. 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.

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Storage class (TRGS 510) Storage class 3.

7.3. Specific end use(s)

Risk management methods [RMM] The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure LimitsThis product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---------------|------------------------------|---------------------------------|---------------------------------|--------------------------------|------------------------------|
| Ethanol | - | TWA: 1000 ppm | TWA: 1000 ppm | TWA: 1000 mg/m ³ | TWA: 1000 ppm |
| 64-17-5 | | TWA: 1900 mg/m ³ | TWA: 1907 mg/m ³ | | TWA: 1900 mg/m ³ |
| | | STEL 2000 ppm | | | |
| | | STEL 3800 mg/m ³ | | | |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Ethanol | - | TWA: 1000 mg/m ³ | TWA: 1000 ppm | TWA: 500 ppm | TWA: 1000 ppm |
| 64-17-5 | | Ceiling: 3000 mg/m ³ | TWA: 1900 mg/m ³ | TWA: 1000 mg/m ³ | TWA: 1900 mg/m ³ |
| | | | STEL: 2000 ppm | STEL: 1000 ppm | STEL: 1300 ppm |
| | | | STEL: 3800 mg/m ³ | STEL: 1900 mg/m ³ | STEL: 2500 mg/m ³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Ethanol | TWA: 1000 ppm | TWA: 200 ppm | TWA: 200 ppm | TWA: 1000 ppm | TWA: 1000 ppm |
| 64-17-5 | TWA: 1900 mg/m ³ | TWA: 380 mg/m ³ | TWA: 380 mg/m ³ | TWA: 1900 mg/m ³ | TWA: 1900 mg/m ³ |
| | STEL: 5000 ppm | | Peak: 800 ppm | | STEL: 2000 ppm |
| | STEL: 9500 mg/m ³ | | Peak: 1520 mg/m ³ | | STEL: 3800 mg/m ³ |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Ethanol | STEL: 1000 ppm | - | STEL: 1000 ppm | TWA: 1000 mg/m ³ | TWA: 500 ppm |
| 64-17-5 | | | STEL: 1884 mg/m ³ | | TWA: 1000 mg/m ³ |
| | | | | | STEL: 1000 ppm |
| | | | | | STEL: 1900 mg/m ³ |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Ethanol | - | - | TWA: 137 ppm | TWA: 500 ppm | TWA: 1900 mg/m ³ |
| 64-17-5 | | | TWA: 260 mg/m ³ | TWA: 950 mg/m ³ | |
| | | | STEL: 1000 ppm | STEL: 625 ppm | |
| | | | | STEL: 1187.5 mg/m ³ | |
| | | | H* | | |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Ethanol | STEL: 1000 ppm | TWA: 1000 ppm | TWA: 500 ppm | TWA: 960 mg/m ³ | STEL: 1000 ppm |
| 64-17-5 | | TWA: 1900 mg/m ³ | TWA: 960 mg/m ³ | TWA: 500 ppm | STEL: 1910 mg/m ³ |
| | | STEL: 5000 ppm | Ceiling: 1920 mg/m ³ | STEL: 1000 ppm | |
| | | STEL: 9500 mg/m ³ | | STEL: 1920 mg/m ³ | |
| Chemical name | | weden | Switzerland | | ted Kingdom |
| Ethanol | | : 500 ppm | TWA: 500 ppm | | A: 1000 ppm |
| 64-17-5 | | 1000 mg/m ³ | TWA: 960 mg/m | | A: 1920 mg/m ³ |
| | | KGV: 1000 ppm | STEL: 1000 ppr | | EL: 3000 ppm |
| | Vägledande I | KGV: 1900 mg/m ³ | STEL: 1920 mg/i | m³ STEI | L: 5760 mg/m ³ |

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

| Chemical name | Oral | Dermal | Inhalation |
|---------------|------|--------------------------|--------------------|
| Ethanol | - | 343 mg/kg bw/day [4] [6] | 950 mg/m³ [4] [6] |
| 64-17-5 | | | 1900 mg/m³ [5] [7] |
| Sulfuric Acid | - | - | 0.05 mg/m³ [5] [6] |
| 7664-93-9 | | | 0.1 mg/m³ [5] [7] |

Notes

[7]

[4] Systemic health effects.[5] Local health effects.[6] Long term.

Short term.

Derived No Effect Level (DNEL) - General Public

| | Chemical name | Oral | Dermal | Inhalation |
|---|---------------|-------------------------|--------|-------------------|
| Γ | Ethanol | 87 mg/kg bw/day [4] [6] | - | 114 mg/m³ [4] [6] |
| | 64-17-5 | | | 950 mg/m³ [5] [7] |

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

| | Chemical name | Freshwater | Freshwater | Marine water | Marine water | Air |
|---|----------------------------|-------------|------------------------|--------------|------------------------|-----|
| | | | (intermittent release) | | (intermittent release) | |
| Ī | Sulfuric Acid 7664-93-9 | 0.0025 mg/L | - | 0.00025 mg/L | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---------------|---------------------|-----------------|------------------|------|------------|
| Sulfuric Acid | 0.002 mg/kg | 0.002 mg/kg | 8.8 mg/L | | - |
| 7664-93-9 | sediment dw | sediment dw | | | |

8.2. Exposure controls

Engineering controls No information available.

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.

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.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid Appearance Colorless

Color No information available

Odor Mild.

Odor threshold No information available

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

Melting point / freezing pointNo data availableNone knownInitial boiling point and boiling rangeNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Flash point 49 °C Autoignition temperature 363 °C

Decomposition temperature None known

No data available None known No data available None known pH (as aqueous solution) Kinematic viscosity No data available None known **Dynamic viscosity** No data available None known Water solubility No data available None known Solubility(ies) No data available None known **Partition coefficient** No data available None known Vapor pressure No data available None known Relative density No data available None known

Bulk density No data available Liquid Density No data available

Vapor density No data available None known

Particle characteristics

Particle Size No information available Particle Size Distribution No information available

9.2. Other information

9.2.1. Information with regard to physical hazard classes Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None. Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materialsNone known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

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

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

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

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

 ATEmix (oral)
 70,600.00 mg/kg

 ATEmix (dermal)
 99,999.00 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-vapor)
 99,999.000 mg/l

 ATEmix (inhalation-dust/mist)
 1,169.000 mg/l

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|--------------------|-------------|------------------------|
| Ethanol | = 7060 mg/kg (Rat) | - | = 116.9 mg/L (Rat) 4 h |
| | | | = 133.8 mg/L (Rat) 4 h |

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

Skin corrosion/irritationNo information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposureNo information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicityContains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to | Crustacea |
|---------------|----------------------|-------------------------|----------------|------------------------|
| | | | microorganisms | |
| Ethanol | - | LC50: 12.0 - 16.0mL/L | - | LC50: 9268 - 14221mg/L |
| | | (96h, Oncorhynchus | | (48h, Daphnia magna) |
| | | mykiss) | | EC50: =2mg/L (48h, |
| | | LC50: >100mg/L (96h, | | Daphnia magna) |
| | | Pimephales promelas) | | |
| | | LC50: 13400 - 15100mg/L | | |
| | | (96h, Pimephales | | |

promelas)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Ethanol | -0.35 |

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

| Chemical name | PBT and vPvB assessment |
|---------------|---------------------------------|
| Ethanol | The substance is not PBT / vPvB |

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. 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: Transport information

IATA

14.1 UN number or ID number UN1170

14.2 Extended Proper Shipping ETHANOL SOLUTION

Name

14.3 Transport hazard class(es)14.4 Packing group

14.5 Environmental hazard Not applicable

14.6 Special precautions for user

Special Provisions None

IMDG

14.1 UN number or ID number
14.2 Extended Proper Shipping
Name
14.2 Transport hazard class (as)
Not regulated

14.3 Transport hazard class(es)
 14.4 Packing group
 14.5 Environmental hazard
 Not regulated Not applicable

14.6 Special precautions for user

Special Provisions None

14.7 Maritime transport in bulk No information available according to IMO instruments

RID

14.1UN/ID NoNot regulated14.2Extended Proper ShippingNot regulatedName14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Environmental hazardNot applicable

14.6 Special precautions for user

Special Provisions None

ADR

14.1UN number or ID numberNot regulated14.2UN proper shipping nameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Environmental hazardNot applicable

14.6 Special precautions for user

Special Provisions None

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| Chemical name | French RG number |
|-------------------|------------------|
| Ethanol - 64-17-5 | RG 84 |

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---------------|--------------------------------------|-----------------------------------|--|
| Ethanol | Present | - | Fertility Category 1A |
| | | | Development Category 1A |
| | | | Can be harmful via |
| | | | breastfeeding |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|-------------------|---|
| Ethanol - 64-17-5 | Product-type 1: Human hygiene Product-type 2: |
| | Disinfectants and algaecides not intended for direct |
| | application to humans or animals Product-type 4: Food and |
| | feed area |

International Inventories

TSCA Contact supplier for inventory compliance status **DSL/NDSL** Contact supplier for inventory compliance status **EINECS/ELINCS** Contact supplier for inventory compliance status **ENCS** Contact supplier for inventory compliance status Contact supplier for inventory compliance status **IECSC** Contact supplier for inventory compliance status **KECL** Contact supplier for inventory compliance status **PICCS** Contact supplier for inventory compliance status AIIC **NZIoC** 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

NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value * Skin designation

+ Sensitizers

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)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

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

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Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

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

Prepared by Environmental, Health and Safety

Revision note SDS is valid 3 years from revision date. Contact info@neb.com for latest revision.

Revision date 06-May-2023

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

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End of Safety Data Sheet

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