

SAFETY DATA SHEET

1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: **2040-11K**
Nomenclature: **Sweet (Saccharin) Sensitivity Solution**
Recommended Use of the Chemical & Restrictions on Use:
Uses: Non-nutritive sweetener
Restrictions On Use: No information available
Company Name: Allegro Industries
Address: 1360 Shiloh Church Rd
Piedmont, SC 29673
864-846-8740
Chemtrac: 800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements: Not classified

Hazards not otherwise classified (HNOC)

Not Applicable

3. COMPOSITION

| Components | CAS-No. | Weight% |
|--|-----------|---------|
| Sodium Saccharin, dihydrate 6155-57-3 | 6155-57-3 | 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 clothes and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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: Ingestion may cause nausea, vomiting, and diarrhea.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically

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: Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides, Nitrogen oxides, Sulfur oxides, sodium Oxides

Specific hazards: May be combustible at high temperatures. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Special Protective Actions for Firefighters

Specific Methods: No information available.

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.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal. 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. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.

Safe Handling Advice: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. 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. Store away from incompatible materials.

Incompatible Materials: Oxidizing agents.

8. EXPOSURE CONTROLS

Control parameters

National occupational exposure limits

United States

| Components | OSHA | NIOSH | ACGIH | AIHA WHEEL |
|--|------|-------|-------|------------|
| Sodium Saccharin, dihydrate 6155-57-3 | None | None | None | None |

Canada

| Components | Alberta | British Columbia | Ontario | Quebec |
|--|---------|------------------|---------|--------|
| Sodium Saccharin, dihydrate 6155-57-3 | None | None | None | None |

Australia and Mexico

| Components | Australia | Mexico |
|--|-----------|--------|
| Sodium Saccharin, dihydrate 6155-57-3 | None | None |

Appropriate engineering controls

Engineering measures to

reduce exposure: Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles. Safety glasses with side-shields.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection: Effective dust mask. Wear respirator with dust filter.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical state: | Solid. |
| Appearance: | Granular. Crystals. Powder. Crystalline powder. |
| Color: | White. |
| Flash Point: | Not applicable. |
| Odor: | Odorless. |
| Taste: | No information available |
| Formula: | C7H4NNaO3S•2H2O |
| Molecular/Formula weight: | 241.20 |
| Flashpoint (°C/°F): | No data available |
| Lower Explosion Limit (%): | No information available |
| Upper Explosion Limit (%): | No information available |
| Autoignition Temperature: | No information available |
| pH: | No information available |
| Melting point/range(°C/°F): | 228 °C/442 °F |
| Boiling point/range(°C/°F): | No information available |
| Decomposition Temperature: | No information available |
| Specific gravity: | No information available |
| Density (g/cm3): | No information available |
| Bulk density: | No information available |
| Vapor pressure @ 20°C (kPa): | No information available |
| Evaporation rate: | No information available |
| Vapor density: | No information available |
| VOC content (g/L): | No information available |
| Odor threshold (ppm): | No information available |
| Partition coefficient (n-octanol/water): | No information available |
| Viscosity: | No information available |
| Miscibility: | No information available |
| Solubility: | Soluble in cold water Soluble in hot water |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | Reactive with oxidizing agents |
| Chemical stability: | Stable at normal conditions |
| Possibility of Hazardous Reactions: | Hazardous polymerization does not occur |
| Conditions to avoid: | Heat. Ignition sources. Avoid dust formation. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials. |
| Incompatible Materials: | Oxidizing agents. |
| Hazardous decomposition products: | Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. Sodium oxides. |

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. Inhalation.

Acute Toxicity

Component Information

Sodium Saccharin, dihydrate - 6155-57-3

LD50/oral/rat = 14200 mg/kg (for anhydrous form CAS no. 128-44-9)

LD50/oral/mouse = 17500 mg/kg (for anhydrous form CAS no. 128-44-9)

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = 500 mg/kg, LDL oral, rabbit (for dihydrate form (CAS no. 6155-57-3)
6 g/kg, LD 50 intraperitoneal, mouse (for anhydrous form (CAS no. 128-44-9)

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7100 mg/kg, LD50 intraperitoneal, rat (for anhydrous form (CAS no. 128-44-9))

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 14200mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 17500mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

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.
Eye Contact: May cause eye irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Low hazard
Health injuries are not known or expected under normal use
Ingestion may cause nausea, vomiting, diarrhea
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 urinary system
Sensitization: No information available
Mutagenic Effects: No information available
Carcinogenic effects: Not classifiable as to its carcinogenicity to humans.

| Components | ACGIH-Carcinogens | IARC | NTP |
|-----------------------------|-------------------|------------|------------|
| Sodium Saccharin, dihydrate | Not listed | Not listed | Not listed |

| Components | OSHA HCS - Carcinogens | Australia - Prohibited Carcinogenic Substances | Australia - Notifiable Carcinogenic Substances |
|-----------------------------|------------------------|--|--|
| Sodium Saccharin, dihydrate | Not listed | Not listed | Not listed |

IARC (International Agency for Research on Cancer)

Group 3 - Not classifiable as to its carcinogenicity to humans

Reproductive toxicity: No data is available
Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure: No information available
STOT - repeated exposure: No information available
Target Organs: No information available

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12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity effects: No data available.
 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 | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA -P Series Wastes | RCRA - U Series Wastes |
|-----------------------------|------------------------|------------------------|-----------------------|------------------------|
| Sodium Saccharin, dihydrate | None | None | None | None |

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: Not applicable
 Packing Group: None
 ERG No: No information available
 Marine Pollutant: No data available
 DOT RQ (lbs): No information available

TDG (Canada)

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available
 Packing Group: No information available
 Description: No information available

ADR

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available
 Classification Code: No information available
 Description: No information available
 CEFIC Tremcard No: No information available

IMO / IMDG

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available
 Packing Group: No information available
 Description: No information available
 IMDG Page: No information available
 Marine Pollutant: No information available
 MFAG: No information available
 Maximum Quantity: No information available

RID

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available

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Packing Group: No information available
 Classification Code: No information available
 Description: No information available

ICAO

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available
 Packing Group: No information available
 Description: No information available

IATA

UN-No: Not Regulated
 Proper Shipping Name: No information available
 Hazard Class: No information available
 Subsidiary Risk: No information available
 Packing Group: No information available
 Description: No information available

15. REGULATORY INFORMATION

| Components | U.S. TSCA | KOREA KECL | Philippines (PICCS) | Japan ENCS |
|-----------------------------|---|-------------|---------------------|-----------------|
| Sodium Saccharin, dihydrate | Not listed; This product is exempt from TSCA 8(b) listing since it is a hydrate. However, the anhydrous form (CAS no. 128-44-9) is listed on the TSCA 8(b) Inventory. | Not present | Present | Present (5)-199 |

| Components | CHINA | Australia (AICS) | EINECS-No. |
|-----------------------------|-------------|------------------|-------------|
| Sodium Saccharin, dihydrate | Not present | Present | Not present |

U.S. Regulations

Sodium Saccharin, dihydrate

New Jersey - Discharge prevention - List of Hazardous Substances:

Present (saccharin salts)

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 | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity |
|-----------------------------|------------|------------------------|----------------------------|------------------------------|
| Sodium Saccharin, dihydrate | Not Listed | Not Listed | Not Listed | Not Listed |

CERCLA/SARA

| Components | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs |
|-----------------------------|---|---|--|
| Sodium Saccharin, dihydrate | None | None | None |

| Components | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|-----------------------------|---------------------------------|------------------------------------|
| Sodium Saccharin, dihydrate | 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 |
|-----------------------------|---|---|
| Sodium Saccharin, dihydrate | Not Applicable | Not Applicable |

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Canada

WHMIS 2015 Hazard

Classification Information: Not a dangerous product according to HPR classification criteria.

Canada Hazardous This product has been classified according to the hazard criteria of the HPR (Hazardous

Products Regulation: Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class Non-controlled

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the SDS contains all of the information required by the CPR.

Inventory

| Components | Canada (DSL) | Canada (NDSL) |
|-----------------------------|--------------|---------------|
| Sodium Saccharin, dihydrate | Not Listed | Not Listed |

| Components | CEPA Schedule I - Toxic Substances | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
|-----------------------------|------------------------------------|---|
| Sodium Saccharin, dihydrate | Not Listed | Not Listed |

EU Classification

EU GHS - SV - CLP 1272/2008

| Components | Cas-No. | EU GHS - SV - CLP (1272/2008) |
|-----------------------------|-----------|-------------------------------|
| Sodium Saccharin, dihydrate | 6155-57-3 | |

EU - CLP (1272/2008)

R-phrases(s)

not determined

none

S -phrases(s)

none

| Components | Classification | Concentration Limits: | Safety Phrases |
|-----------------------------|----------------|-----------------------|----------------|
| Sodium Saccharin, dihydrate | | No information | |

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

Indication of danger:

None.

Not dangerous

16. OTHER INFORMATION

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Rev. H

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