**SAFETY DATA SHEET**

**BRENNTAG..\_**

*I*



**1. Identification**

**Product identifier**

**Other means of identification Recommended use Recommended restrictions**

**MC-740**

None.

ALL PROPER AND LEGAL PURPOSES None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

Brenntag Mid-South, Inc.

1405 Highway 136, West Henderson, KY,42420

270-830-1222

Not available.

**Company name**.

**Address**

**Telephone**

**E-mail**

**Emergency phone number**

800-424-9300 CHEMTREC

**2. Hazard(s) identification**

**Physical hazards**

**Health hazards**

Not classified. Acute toxicity, oral

Serious eye damage/eye irritation

Category 4

Category 2

**Environmental hazards**

Hazardous to the aquatic environment, acute Category 3 hazard

**OSHA defined hazards**

**Label elements**

Hazardous to the aquatic environment, long-term hazard

Not classified.

Category 3



**Signal word**

**Hazard statement**

**Precautionary statement**

**Prevention**

**Response**

**Storage**

**Disposal**

**Hazard(s) not otherwise classified (HNOC)**

**Supplemental information**

Warning

Harmful if swallowed. Causes serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse mouth. If eye irritation persists: Get medical advice/attention.

Store away from incompatible materials.

Dispose of contents/container in accordance with local/regional/national/international regulations. None known.

1% of the mixture consists of component(s) of unknown acute oral toxicity. 2.5% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 2.5% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

**3. Composition/information on ingredients**

**Mixtures**

**Chemical name Common name and synonyms CAS number** %

CALCIUM CHLORIDE (CACL2)

10043-52-4

92.5

**Chemical name Common name and synonyms CAS number** %

POTASSIUM CHLORIDE (KCL) SODIUM CHLORIDE (NACL)

Other components below reportable levels

7447-40-7 2.5

7647-14-5 1.5

3.5

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

**4. First-aid measures**

**Inhalation Skin contact Eye contact**

**Ingestion**

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

**Indication of immediate medical attention and special treatment needed**

**General information**

Move to fresh air. Call a physician if symptoms develop or persist.

Wash off with soap and water. Get medical attention if irritation develops and persists. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Get medical advice/attention if you feel unwell.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**5. Fire-fighting measures**

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (C02).

**Unsuitable extinguishing** Do not use water jet as an extinguisher, as this will spread the fire.

**media**

**Specific hazards arising from** During fire, gases hazardous to health may be formed.

**the chemical**

**Special protective equipment** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**and precautions for firefighters**

**Fire fighting** Move containers from fire area if you can do so without risk.

**equipment/instructions**

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Methods and materials for containment and cleaning up**

**Environmental precautions**

**7. Handling and storage**

**Precautions for safe handling**

**Conditions for safe storage, including any incompatibilities**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

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

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid

discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Provide adequate ventilation. Avoid contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly

after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Biological limit values

Appropriate engineering controls

No exposure limits noted for ingredient(s).

No biological exposure limits noted for the ingredient(s).

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If

exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Other

Respiratory protection

Thermal hazards

General hygiene considerations

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Wear suitable protective clothing.

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate thermal protective clothing, when necessary.

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Form

Color

Odor

Odor threshold pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Liquid. Liquid. White

ODORLESS

Not available. Not available.

1422.36 "F (772.42 "C) estimated *I* 999 "F (537.22 "C)

2953.32 "F (1622.95 "C) estimated

999.0 "F (537.2 "C)

Not available. Not applicable.

Upper/lower flammability or explosive limits Flammability limit -lower Not available. (%)

Flammability limit -upper Not available.

(%)

Explosive limit -lower(%) Not available. Explosive limit- upper(%) Not available.

Vapor pressure 0.01 hPa estimated

Vapor density Not available. Relative density Not available. Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available. (n-octanol/water)

Auto-ignition temperature Not available. Decomposition temperature Not available. Viscosity Not available. Other information

Density 17.92 lbs/gal estimated

**Explosive properties Flammability class Oxidizing properties Percent volatile Specific gravity**

**10. Stability and reactivity**

**Reactivity Chemical stability Possibility of hazardous**

**reactions Conditions to avoid Incompatible materials**

**Hazardous decomposition products**

Not explosive.

Combustible I liB estimated

Not oxidizing.

2.5 % estimated

2.15 estimated

The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions.

No dangerous reaction known under conditions of normal use.

Contact with incompatible materials. Strong oxidizing agents.

No hazardous decomposition products are known.

**11. Toxicological information**

**Information on likely routes of exposure**

**Inhalation** No adverse effects due to inhalation are expected.

**Skin contact Eye contact Ingestion**

**Symptoms related to the physical, chemical and toxicological characteristics**

No adverse effects due to skin contact are expected. Causes serious eye irritation.

Harmful if swallowed.

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Information on toxicological effects**

|  |  |  |
| --- | --- | --- |
| **Acute toxicity** | Harmful if swallowed. |  |
| **Components** | **Species** | **Test Results** |

CALCIUM CHLORIDE (CACL2) (CAS 10043-52-4)

**Acute**

**Oral**

LD50 Rat 1000 mg/kg

POTASSIUM CHLORIDE (KCL) (CAS 7447-40-7)

**Acute**

**Oral**

LD50

Guinea pig 2500 mg/kg

Mouse

Rat

SODIUM CHLORIDE (NACL) (CAS 7647-14-5)

**Acute**

**Oral**

383 mg/kg

2600 mg/kg

LD50

Mouse 4000 mg/kg

Rat

\*Estimates for product may be based on additional component data not shown.

3000 mg/kg

**Skin corrosion/irritation**

**Serious eye damage/eye irritation**

**Respiratory or skin sensitization Respiratory sensitization Skin sensitization**

**Germ cell mutagenicity**

Prolonged skin contact may cause temporary irritation. Causes serious eye irritation.

Not a respiratory sensitizer.

This product is not expected to cause skin sensitization.

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

**Specific target organ toxicity** -

**single exposure**

**Specific target organ toxicity** -

**repeated exposure**

**Aspiration hazard**

**12. Ecological information**

**Ecotoxicity**

**Components**

This product is not expected to cause reproductive or developmental effects. Not classified.

Not classified.

Not an aspiration hazard.

Harmful to aquatic life with long lasting effects.

**Species Test Results**

CALCIUM CHLORIDE (CACL2) (CAS 10043-52-4)

**Aquatic**

Crustacea

EC50 Water flea (Daphnia magna) 52 mg/1, 48 hours

Fish

LC50

Fathead minnow (Pimephales promelas) 3930- 5360 mg/1, 96 hours

POTASSIUM CHLORIDE (KCL) (CAS 7447-40-7)

**Aquatic**

Crustacea

Fish

EC50 Water flea (Daphnia magna) 83 mg/1, 48 hours

LC50 Western mosquitofish (Gambusia affinis) 435 mg/1, 96 hours

SODIUM CHLORIDE (NACL) (CAS 7647-14-5)

**Aquatic**

Crustacea

Fish

EC50 Water flea (Daphnia magna) 340.7-469.2 mg/1, 48 hours

LC50 Fathead minnow (Pimephales promelas) 6020- 7070 mg/1, 96 hours

\*Estimates for product may be based on additional component data not shown.

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

**Bioaccumulative potential**

**Mobility in soil**

**Other adverse effects**

No data available. No data available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions**

**Local disposal regulations**

**Hazardous waste code**

**Waste from residues *I* unused products**

**Contaminated packaging**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with

loca1/regio na1/natio nal/inte rnatio naI regulations. Dispose in accordance with all applicable regulations.

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

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

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**

Not regulated as dangerous goods.

DOT information on packaging may be different from that listed.

**15. Regulatory information**

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

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard -Yes

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No chemical

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

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

Not regulated.

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

Not regulated.

Safe Drinking Water Act

(SDWA)

US state regulations

Not regulated.

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. Massachusetts RTK -Substance List

Not regulated.

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

Not listed.

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

Not listed.

US. Rhode Island RTK Not regulated.

US. California Proposition 65

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

International Inventories

Country(s) or region

Australia Canada Canada China Europe

Europe Japan Korea

New Zealand

Philippines

Inventory name

Australian Inventory of Chemical Substances (AICS) Domestic Substances List (DSL)

Non-Domestic Substances List (NDSL)

Inventory of Existing Chemical Substances in China (I ECSC) European Inventory of Existing Commercial Chemical

Substances (EINECS)

European List of Notified Chemical Substances (ELINCS) Inventory of Existing and New Chemical Substances (ENCS) Existing Chemicals List (ECL)

New Zealand Inventory

Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

On inventory (yes/no)\* Yes Yes

No Yes Yes

No Yes Yes Yes Yes

**Country(s) or region Inventory name**

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

**On inventory (yes/no)\***

Yes

'A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. other information, including date of preparation or last revision**

**Revision date Version# HMIS® ratings**

**NFPA ratings**

**Disclaimer**

**Revision Information**

01-05-2021

02

Health: 2

Flammability: 0

Physical hazard: 0

Health: 2

Flammability: 0

Instability: 0

BNA cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Hazard(s) identification: Prevention

Handling and storage: Precautions for safe handling

Physical and chemical properties: Color

Physical and chemical properties: Oxidizing properties

Physical and chemical properties: Odor

Physical and chemical properties: Explosive properties

Disposal considerations: Waste from residues *I* unused products

Regulatory information: US federal regulations