

# S A F E T Y   D A T A   S H E E T



## Madison Chemical Co., Inc.

3141 Clifty Drive • Madison, IN 47250

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

## SUPER FLOOR CLEANER 5

TYPE:

Alkaline Cleaner

PRODUCT #

859402

**FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN**

#### EMERGENCY RESPONSE INFORMATION:

CHEMTREC

800-424-9300

24-Hour Service

Company Offices:

812-273-6000

Weekdays

PREPARED DATE:

02-15-17

PREPARED BY:

Benjamin Terpening

### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Classification

Corrosive to Metals

Category 1

H290

Acute Toxicity, Oral

Category 4

H302

Skin Corrosion/Irritation

Category 1A

H314

Serious Eye Damage/Eye Irritation

Category 1

H318

Specific Target Organ Toxicity

Category 2

H373

Aquatic Toxicity (Acute)

Category 3

H402

#### Signal Word

## DANGER

#### Symbol



#### Hazard Statements

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H373 May cause damage to organs (liver and kidneys) through prolonged or repeated exposure.

H402 Harmful to aquatic life.

#### Precautionary Statements

P260 Do not breathe mist, spray, vapors.

P264 Wash hands, forearms, and exposed areas thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear eye protection, face protection, protective clothing, protective gloves.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see Section 4).

# SAFETY DATA SHEET

|   |      |   |
|---|------|---|
| <b>Precautionary Statements Continued</b> | P363 | Wash contaminated clothing before reuse.  |
|   | P405 | Store locked up.  |
|   | P501 | Dispose of contents / container according to local, regional, national and international regulations. |

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| <b>COMPONENT</b>                | <b>SYNONYM</b> | <b>CAS NO.</b> | <b>% BY WEIGHT</b> |
|---------------------------------|----------------|----------------|--------------------|
| Sodium hydroxide                | Caustic soda   | 1310-73-2      | 20 – 30            |
| Sodium metasilicate             | None           | 6834-92-0      | 10 – 20            |
| Dipropylene glycol methyl ether | DPM            | 34590-94-8     | 1 – 10             |

\*If Chemical Name/CAS No is "proprietary" and/or % By Weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret\*

## SECTION 4: FIRST AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES:

|                                   |   |
|-----------------------------------|---|
| <b>EYES:</b>                      | Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician.   |
| <b>SKIN:</b>                      | Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse. |
| <b>INGESTION:</b>                 | If conscious, immediately give large quantities of water. DO NOT INDUCE VOMITING. Call a physician at once. DO NOT give anything by mouth if the person is unconscious or if having convulsions.  |
| <b>INHALATION:</b>                | Remove subject to fresh air. Give artificial respiration if necessary. Get medical attention immediately.   |
| <b>PRIMARY ROUTE(S) OF ENTRY:</b> | Eyes, skin, inhalation.   |

### MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

|                          |   |
|--------------------------|---|
| <b>EYE CONTACT:</b>      | Causes serious eye damage.  |
| <b>SKIN CONTACT:</b>     | Corrosive. Causes burns.  |
| <b>INGESTION:</b>        | Harmful if swallowed.   |
| <b>INHALATION:</b>       | May cause nasal and respiratory irritation.   |
| <b>CHRONIC SYMPTOMS:</b> | Chronic overexposure to dipropylene glycol methyl ether has apparently been found to cause liver abnormalities and kidney damage in laboratory animals. |

### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

## SECTION 5: FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

### SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not considered flammable or explosive. Hazardous reactions will not occur under normal conditions. Contact with metals such as magnesium, aluminum and zinc alloys can rapidly generate hydrogen, which is explosive.

### ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus and full protective clothing. Use water spray to keep containers cool.

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, phosphorus, phosphorus oxides.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Avoid breathing vapors. Wear nitrile, neoprene, or natural rubber gloves. Goggles and faceshield necessary. Wear suitable protective clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Sweep up spills. If dissolved in water, contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Ventilate area. Do not discharge to sewers or waterways without proper treatment.

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## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

### CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store in dry area. Avoid adding to hot water (over 120°F). May cause flash boiling. Store away from acids. Keep container closed when not in use.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### CHEMICAL IDENTITY

| CHEMICAL IDENTITY               | CAS NO.    | OSHA PEL                | ACGIH TLV               |
|---------------------------------|------------|-------------------------|-------------------------|
| Sodium hydroxide                | 1310-73-2  | 2 mg / M <sup>3</sup> * | 2 mg / M <sup>3</sup> * |
| Sodium metasilicate             | 6834-92-0  | N.E.**                  | N.E.**                  |
| Dipropylene glycol methyl ether | 34590-94-8 | 100 ppm (skin)          | 100 ppm (skin)          |

\*Denotes ceiling limit. \*\*Manufacturer recommends a ceiling limit of 2 mg / M<sup>3</sup>.

### ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLVs are exceeded.

### INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

### RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved respirator for dusts and mists where airborne exposure is excessive.

### SKIN PROTECTION:

Nitrile rubber, neoprene or natural rubber gloves. Rubber apron and rubber boots required. Other equipment as required to avoid contact.

### EYE PROTECTION:

Goggles and face shield necessary.

### GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |
|--|---------------------------|
| APPEARANCE:                              | Non-dusty, orange powder. |
| ODOR:                                    | Pleasant, medicinal.      |
| ODOR THRESHOLD:                          | Not available.            |
| pH (4 oz/gallon):                        | 12.9 – 13.1               |
| MELTING POINT/FREEZING POINT             | Not available             |
| INITIAL BOILING POINT AND BOILING RANGE  | Not available             |
| FLASH POINT (METHOD USED)                | Not available.            |
| EVAPORATION RATE                         | Not available.            |
| FLAMMABILITY (SOLID, GAS)                | Not available.            |
| UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT | Not available.            |
| VAPOR PRESSURE                           | Not available.            |
| VAPOR DENSITY                            | Not available.            |
| SPECIFIC GRAVITY                         | Not available.            |
| SOLUBILITY IN WATER                      | Appreciable.              |
| PARTITION COEFFICIENT: N-OCTANOL/WATER   | Not available.            |
| AUTO-IGNITION TEMPERATURE                | Not available.            |
| VISCOSITY, DYNAMIC                       | Not available.            |
| DECOMPOSITION TEMPERATURE                | Not available.            |
| VISCOSITY                                | Not available.            |

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## SECTION 10: STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>REACTIVITY:</b>                         | Hazardous reactions will not occur under normal conditions.   |
| <b>CHEMICAL STABILITY:</b>                 | Stable under recommended handling and storage conditions (see Section 7).   |
| <b>POSSIBILITY OF HAZARDOUS REACTIONS:</b> | Hazardous polymerization will not occur.  |
| <b>CONDITIONS TO AVOID:</b>                | Excessive moisture.   |
| <b>INCOMPATIBLE MATERIALS:</b>             | Aluminum, tin, zinc, and their alloys; strong acids, hot water (causes flash boiling). Avoid contact with leather and wool. |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>   | Carbon dioxide, carbon monoxide, phosphorus, phosphorus oxides.   |

## SECTION 11: TOXOLOGICAL INFORMATION

|  |  |
|--|--|
| <b>ACUTE TOXICITY:</b>   | Not classified.  |
| <b>LD50 AND LC50 DATA:</b>                                     | Not available.   |
| <b>ROUTES OF EXPOSURE / SYMPTOMS</b>                           |  |
| <b>EYES:</b>   | DANGER! Causes serious eye damage.   |
| <b>SKIN:</b>   | DANGER! Causes burns.  |
| <b>INGESTION:</b>  | WARNING! Harmful if swallowed.   |
| <b>INHALATION:</b>   | WARNING! May cause nasal and respiratory irritation.   |
| <b>GERM CELL MUTAGENICITY:</b>                                 | Not classified.  |
| <b>TERATOGENICITY:</b>   | Not available.   |
| <b>CHRONIC EFFECTS /<br/>CARCINOGENICITY:</b>                  | This material contains no ingredient above de minimus concentrations known or suspected to cause cancer. Chronic overexposure to dipropylene glycol methyl ether has apparently been found to cause liver abnormalities and kidney damage in laboratory animals. |
| <b>SPECIFIC TARGET ORGAN TOXICITY<br/>(Repeated exposure):</b> | May cause damage to organs (liver and kidneys) through prolonged or repeated exposure.   |
| <b>REPRODUCTIVE TOXICITY:</b>                                  | Not classified.  |
| <b>SPECIFIC TARGET ORGAN TOXICITY<br/>(Single exposure):</b>   | Not classified.  |
| <b>ASPIRATION HAZARD:</b>                                      | Not classified.  |
| <b>COMPONENT INFORMATION:</b>                                  |  |
|  | LD50 Oral Rat: 0.24 g/kg   |
| Sodium hydroxide   | LD50 Dermal Rabbit: 1350 mg/kg   |
|  | LD50 Inhalation: No data   |
|  | LD50 Oral Rat: 1280 mg/kg  |
| Sodium metasilicate  | LD50 Dermal: No data   |
|  | LD50 Inhalation: No data   |
|  | LD50 Oral: No data   |
| Diethylene glycol methyl ether                                 | LD50 Dermal rabbit: 9,510 mg/kg  |
|  | LC50 Inhalation rat: 552 ppm 7 hours   |

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## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY COMPONENT INFORMATION** The ecotoxicity of this product is not known

|  |  |
|--|--|
| Sodium hydroxide                             | LC50 Fish, Guppy, <i>Poecilia reticulata</i> : 196 mg/L/96 hours |
| Sodium metasilicate                          | LC50 Fish ( <i>Gambusia affinis</i> ): 2320 ppm/96 hr            |
|  | LC50 water fleas ( <i>Daphnia magna</i> ): 247 ppm/96 hr         |
|  | LC50 snail egg ( <i>Lymnea</i> ): 632 ppm/ 96 hr                 |
|  | LC50 Amphipoda: 160 ppm/96 hr                                    |
| Diethylene glycol methyl ether               | <b>Acute Toxicity:</b>   |
|  | LC50 fathead minnow: 10,000mg/l 96 hours                         |
|  | LC50 <i>Daphnia magna</i> : 1,919 mg/l 48 hours                  |
|  | EC50 <i>Selenastrum capricornutum</i> : 1,000 mg/l 72 hours      |
|  | EC10 <i>Pseudomonas putida</i> cell growth: 4,168 mg/l           |
|  | <b>Chronic Toxicity:</b>   |
| NOEC <i>Daphnia magna</i> : 0.5 mg/l 22 days |  |

**PERSISTENCE AND DEGRADABILITY:** Not available.  
**BIOACCUMULATIVE POTENTIAL:** Not available.  
**MOBILITY IN SOIL:** Not available.  
**OTHER ADVERSE EFFECTS:** This material contains no hazardous air pollutants (HAPS).

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD** Normal for alkaline wastes containing phosphorus compounds. May require pH adjustment for neutralization. Dispose in accordance with local, state and federal regulations.

## SECTION 14: TRANSPORTATION INFORMATION

**DOT PROPER SHIPPING NAME:** Corrosive solid, basic, inorganic, n.o.s. (contains sodium hydroxide)  
**HAZARD CLASS:** 8  
**IDENTIFICATION NUMBER:** UN3262  
**PACKING GROUP:** III  
**EMERGENCY RESPONSE GUIDE:** ERG #154

## SECTION 15: REGULATORY INFORMATION

**VOC:** 0.02 pounds per pound (18 grams per kilogram).  
**TSCA STATUS** All ingredients are listed on the TSCA inventory.  
**CERCLA REPORTABLE QUANTITY** 1,000 pounds for sodium hydroxide (approximately 4,000 pounds).

**SARA 311 / 312 HAZARD CLASSES**

|          |                            |
|----------|----------------------------|
| <b>x</b> | ACUTE HEALTH               |
|          | FIRE                       |
|          | SUDDEN RELEASE OF PRESSURE |
| <b>x</b> | CHRONIC HEALTH             |
|          | REACTIVE                   |

**SARA 312 INFORMATION**

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

**SARA 313 INFORMATION**

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

|                      |                      |                   |                    |
|----------------------|----------------------|-------------------|--------------------|
| <b>CHEMICAL NAME</b> | <b>CATEGORY CODE</b> | <b>CAS NUMBER</b> | <b>% BY WEIGHT</b> |
| NONE                 |                      |                   |                    |

**STATE REGULATORY INFORMATION**

**CALIFORNIA PROPOSITION 65**

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

# SAFETY DATA SHEET

## SECTION 16: OTHER INFORMATION

**SDS STATUS:** Updated sections 1, 3, and 16 on 02-15-17.

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>0</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

**FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN**