

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.
THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
IMPORTANT: Read this SDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: GRUNGEONE
PRODUCT PURPOSE: CARPET PRE-SPRAY
COMPANY IDENTITY: Groom Industries
COMPANY ADDRESS: 4282 S 590 W
COMPANY CITY: Salt Lake City, UT 84123
COMPANY PHONE: 1-800-397-3759
EMERGENCY PHONES: INFOTRAC: 1-800-535-5053 (USA)

SECTION 2. HAZARDS IDENTIFICATION

WARNING!



HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300s = Health, H400s = Environmental

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| MATERIAL | CAS# | EINECS# | WT % |
|--------------------------|-----------|-----------|--------------|
| Sodium Carbonate | 497-19-8 | - | Trade Secret |
| Sodium Metasilicate | 6834-92-0 | - | Trade Secret |
| Sodium Tripolyphosphate | 7758-29-4 | - | Trade Secret |
| 2(2-Butoxyethoxy)ethanol | 112-34-5 | 203-961-6 | Trade Secret |

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

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SECTION 4. FIRST AID MEASURES (CONTINUED)**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR) CALL A PHYSICIAN immediately!

SWALLOWING:

Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

SECTION 5. FIRE FIGHTING MEASURES**FIRE & EXPLOSION PREVENTIVE MEASURES**

Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

EXTINGUISHING MEDIA

Use dry powder, AFFF, alcohol-resistant foam, water spray, carbon dioxide. . use appropriate extinguishing media.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

Isolate from oxidizers, heat, & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

SECTION 6. ACCIDENTAL RELEASE MEASURES**PERSONAL PROTECTIVE MEASURES:**

Keep unprotected personnel away. Remove all ignition sources. Filter respirator for organic vapors.

ENVIRONMENTAL PRECAUTIONS:

Keep from entering storm sewers and ditches which lead to waterways.

CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain. Absorb remaining liquid in sand or inert absorbent. Remove to safe place.

SECTION 7. HANDLING AND STORAGE**HANDLING**

Use only with adequate ventilation. Avoid or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

STORAGE

Keep in fireproof surroundings. Keep separated from strong oxidants. Store in an area without a drain or sewer access. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| MATERIAL | CAS# | EINECS# | TWA (OSHA) | TLV (ACGIH) |
|--------------------------|-----------|-----------|------------|-------------|
| Sodium Carbonate | 497-19-8 | - | None Known | None Known |
| Sodium Metasilicate | 6834-92-0 | - | None Known | None Known |
| Sodium Tripolyphosphate | 7758-29-4 | - | None Known | None Known |
| 2(2-Butoxyethoxy)ethanol | 112-34-5 | 203-961-6 | None Known | 25 ppm |

| MATERIAL | CAS# | EINECS# | CEILING | STEL(OSHA/ACGIH) | HAP |
|--------------------------|----------|-----------|------------|------------------|-----|
| 2(2-Butoxyethoxy)ethanol | 112-34-5 | 203-961-6 | None Known | None Known | Yes |

Each component showing 'Yes' under "HAP" is an EPA Hazardous

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable
 SPECIAL: None OTHER: None
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles & gloves as a standard practice.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|---------------------------------------|
| APPEARANCE: | Powder, White |
| ODOR: | Lemon |
| ODOR THRESHOLD: | Not Available |
| pH (Neutrality): | 11.3 |
| MELTING POINT/FREEZING POINT: | Not Available |
| BOILING RANGE (IBP,50%,Dry Point): | Not Applicable |
| FLASH POINT (TEST METHOD): | 51 C / 125 F (TCC) (Lowest Component) |
| EVAPORATION RATE (n-BUTYL ACETATE=1): | Not Applicable |
| FLAMMABILITY CLASSIFICATION: | Class III-B |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol): | 0.95 (Lowest Component) |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| VAPOR PRESSURE (mm of Hg)@20 C | 9.3 |
| VAPOR DENSITY (air=1): | 2.9 |
| GRAVITY @ 68/68F / 20/20C: | |
| SPECIFIC GRAVITY (Water=1): | 0.866 |
| POUNDS/GALLON: | 7.214 |
| WATER SOLUBILITY: | Complete |
| PARTITION COEFFICIENT (n-Octane/Water): | Not Available |
| AUTO IGNITION TEMPERATURE: | Not Applicable |
| DECOMPOSITION TEMPERATURE: | Not Available |

SECTION 10. STABILITY & REACTIVITY**STABILITY**

Stable under normal conditions.

CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flame.

MATERIALS TO AVOID

Reacts with strong oxidants, causing fire & explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride, Phosgene, Sodium Oxide & Hydroxide, Phosphorus Pentoxide, Silicon Dioxide from heating.

HAZARDOUS POLYMERIZATION

Will not occur.

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SECTION 11. TOXICOLOGICAL INFORMATION**ACUTE HAZARDS****EYE & SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.
 Absorption thru skin increases exposure.
 Primary irritation to eyes, redness, tearing, blurred vision.
 Powder can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure
 can cause serious nervous system depression. Vapor harmful.

SWALLOWING:

Harmful or fatal if swallowed.
 Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.
 The symptoms of chemical pneumonitis may not show up for a few days.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**CONDITIONS AGGRAVATED**

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH,
 OSHA or ACGIH, as of this date, greater or equal to 0.1%.
 Absorption thru skin may be harmful.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

MAMMALIAN TOXICITY INFORMATION

| MATERIAL | CAS# | EINECS# | LOWEST KNOWN LETHAL DOSE DATA |
|-------------------------------|----------|---------|--|
| Sodium Carbonate | 497-19-8 | - | LOWEST KNOWN LD50 (ORAL) 4000.0 mg/kg(Rats) |
| Diethylene Glycol Butyl Ether | 112-34-5 | - | LOWEST KNOWN LD50 (SKIN) 4120.0 mg/kg (Rabbits) |

SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released

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SECTION 12. ECOLOGICAL INFORMATION (CONTINUED)

into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

EFFECT OF MATERIAL ON AQUATIC LIFE:

No aquatic environmental information is available on this product. The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals.

MOBILITY IN SOIL

Mobility of this material has not been determined.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. **ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001**

SECTION 14. TRANSPORT INFORMATION

DOT/TDG SHIP NAME: Not Regulated
 DRUM LABEL: None
 IATA / ICAO: Not Regulated
 IMO / IMDG: Not Regulated
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

SECTION 15. REGULATORY INFORMATION



EPA REGULATION:
 SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA Inventory. SARA Title III Section 313 Supplier Notification: This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

| SARA TITLE III INGREDIENTS | CAS# | EINECS# | WT% | (REG. SECTION) | RQ(LBS) |
|----------------------------|----------|-----------|------|----------------|---------|
| *2(2-Butoxyethoxy)ethanol | 112-34-5 | 203-961-6 | 0-10 | (313) | None |

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B3: Combustible Liquid.
 D2B: Irritating to skin / eyes.

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SECTION 15. REGULATORY INFORMATION (CONTINUED)

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals
trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware
of all hazards of this material (as stated in this SDS) before handling it.

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NOTICE

Groom Industries disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.