

SAFETY DATA SHEET

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Lightning

SECTION 1: Product Identification

Product name : Lightning
Chemical family : Emulsifier/Anionic
Common or Trade name : Carpet Prespray
Manufacturer : Chem Max Corp
Address : 6479 Norton Center Drive
Norton Shores MI 49441
Phone : 800-858-7237

SECTION 2: Hazards Identification

GHS Classification :

Skin Irritant: H315 Category 2
Eye Irritant: H318 Category 1
Corrosive to metals: Category 1
Oxidizing solid: H272 Category 2

GHS label elements, including precautionary statements

Signal word : Danger



Oxidizing



Danger

Hazard statement (s)

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye irritation

Precautionary statement (s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 Wash hands thoroughly after handling.

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.

P312 If swallowed: call a poison center or doctor/physician if you feel unwell.

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing.

SECTION 3 : Composition/Information on Ingredients

Name:	CAS#	Weight %
Triphosphoric acid / sodium salt	7758-29-4	30%-70%
Sodium carbonate peroxyhydrate	15630-89-4	30%-70%
Diphosphoric acid / sodium salt	7722-88-5	1%-5%
Citrus extract	94266-47-4	1%-5%
Sodium carbonate	497-19-8	1%-5%
Sodium metasilicate	6834-92-0	1%-5%

* The exact percentage of weight of mixture has been withheld as a trade secret. As per paragraph(1) of 27 CFR 1910, 1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees or designated representatives in accordance with applicable provisions of paragraph(1).

SECTION 4 : First Aid Measures

Eye contact: flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present. If irritation occurs, seek medical attention.

Skin contact: Wash skin thoroughly after handling. Seek medical attention if irritation develops or persists. Remove contaminated clothing and wash with soap and water. Launder contaminated clothing before reuse.

Inhalation: If inhaled, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.

Ingestion: Rinse mouth with water. Do not induce vomiting. Give water if the patient is conscious. Seek immediate medical attention.

SECTION 5: Firefighting Measures

Suitable extinguishing media: Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Firefighting procedures: As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA /NIOSH (approved or equivalent), and full protective gear.

Specific hazards: Oxidizing substance. Oxygen released on exothermic decomposition may support combustion. Pressure burst may occur due to decomposition in confined containers. Wet product decomposes exothermically and may cause combustion of organic materials.

SECTION 6 : Accidental Release and Disposal Measures

Personal Precautions/ PPE and emergency procedures: Individuals responding to incident should be trained. Evacuate personnel to safe areas. Wear appropriate PPE: clothing/gloves, eye and face protection.

Environmental Precautions: Construct a dike to prevent spreading of dilution water. If possible, prevent entry to sewers, storm drains, surface water and soil.

SECTION 7 : Storage and Handling

Handling: Do not get in eyes or on skin or clothing. Do not eat or drink in the work area. Use normal personal hygiene and housekeeping. Wash hands after handling. Keep the container closed and tightly sealed when not in use.

Storage: Keep the container tightly sealed in a dry and well ventilated place. Store at temperatures below 104°F.

Incompatible materials: None known

SECTION 8 : Exposure Control/Personal Protection

Engineering controls: Provide adequate ventilation and local exhaust if dusty conditions exist.

Personal protective equipment (PPE):

Eyes: Wear appropriate protective glasses or chemical safety goggles as directed by OSHA's eye and face protection regulations in 29 CFR 1910.33 or equivalent.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves. Refer to OSHA regulations in 29 CFR 1910.33

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Not required for properly ventilated areas. Where adequate ventilation is not available, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1920.134.

Specific hygiene measures: always observe good personal hygiene, such as washing after handling and before eating, drinking and/or smoking. Practice good housekeeping.

SECTION 9 : Physical and Chemical Properties

Appearance :	White
Physical state :	Powder
Odor :	Mild lemon-citrus aroma
Relative density : (water = 1.0)	Not available
Solubility in water : (weight %)	Soluble
pH :	9.5% - 10.5%
Boiling point :	N/A
Melting/freezing point :	N/A
Vapor pressure :	N/A
Vapor density : (air = 1.0)	N/A
Evaporation rate :	N/A
Specific gravity :	N/A
Partition coefficient (N-Octanol/water)	N/A
Viscosity :	N/A
Flash point :	N/A
Weight per gallon :	N/A
Autoignition temperature :	N/A
Upper flame limit (volume % in air) :	N/A
Lower flame limit (volume % in air) :	N/A
Decomposition temperature :	N/A
Flammability (solid, gas) :	N/A

SECTION 10 : Stability and Reactivity

Reactivity: Oxidizer

Possibility of hazardous reactions: hazardous polymerization will not occur. Incompatible materials : strong acids, reducing agents, high humidity and water. Chemical stability : normally stable under normal conditions.

Conditions to avoid: Contact with heat, flammable organic materials, moisture.

Hazardous decomposition products: Oxygen.

SECTION 11 : Toxicological Information

Acute Toxicity

Irritation: 1 hour, rat, > 4580 mg/m³

Oral: LD50, rat, >1034 mg/kg

Dermal: LD50, rabbit > 2000 mg/kg

Irritation: Rabbit, severe damage (eye)

Rabbit, slight irritant (skin)

Sensitization: No sensitization was noted when administered as a 76% w/v.

Comments: Mixture during induction and as a 25% w/v mixture at challenge.

Toxic effect linked with irritating properties.

SECTION 12 : Ecological Information

Ecotoxicity: Avoid contaminating water ways.

Persistence and degradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available

SECTION 13 : Disposal Considerations

RCRA

Is the unused product a RCRA hazardous waste if discarded? No.

Disposal recommendations:

Dispose of in accordance with applicable Federal, State and local regulations.

Other disposal considerations:

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mist the material with a combustible solvent and burn in a chem scrubber.

Empty container:

Dispose of as unused product.

SECTION 14 : Transport Information

D.O.T. Proper shipping name: Oxidizing solid, n.o.s. (Sodium carbonate peroxyhydrate)

Hazard class: 5.1

UN number: UN 3378

Packing group: III

Classification code: O2

Labels: 5.1 (oxidizer)

Air (IATA) Not dangerous goods

Land (TDG) Not dangerous goods

Sea (IMDG) Not dangerous goods

ADR/RID Not dangerous goods

Marine pollutant: No

SECTION 15 : Regulatory Information

International inventories

TSCA : All ingredients are listed on the TSCA inventory
DSCL (EEC) : All ingredients are listed on the DSCL inventory
California Prop 65 : This material does not contain any ingredients subject to Prop 65
SARA 302 : No SARA hazard
SARA 304 : No SARA hazard
SARA 311 : No SARA hazard
SARA 312 : No SARA hazard
SARA 313 : No SARA hazard
WHMIS Canada : C, D2B

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.

Section 16 : Other Information

Dangerous substance directive/dangerous preparation directive.

Labels: Oxidizing
Danger

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End of Safety Data Sheet