



Red Tornado

MSDS Number: SW15E

Revision Date: 11/01/06

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Distributed By: Wechem, Inc
5734 Susitna Dr

Harahan, LA 70123

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2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, skin absorption, eye, inhalation
Target Organs: NA
Inhalation: Severe irritation
Skin Contact: Severe burns
Eye Contact: Cause severe burns, eye damage and possible blindness
Ingestion: Harmful if swallowed; may cause tissue perforation

HMIS II-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 1
HMIS III-ratings (scale 0-4): Health = 3, Fire = 0, Physical Hazard = 2
NFPA-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 3

Danger: POISON. Corrosive REACTS VIOLENTLY WITH WATER. Causes severe burns to eyes and skin. Harmful or fatal if swallowed. Avoid breathing vapor or mists.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310732	Sodium Hydroxide	<70%	2mg/m3	2mg/m3	D
7631994	Sodium Nitrate	<17%	NA	NA	D
7429905	Aluminum Granules	<10%	15mg/m3	15mg/m3	D



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4 FIRST AID MEASURES

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.
Skin Contact: Wash with soap and water. If irritated seek medical attention.
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.
Ingestion: Do not induce vomiting. Drink two large glasses of water. Get immediate medical attention.

5 FIRE FIGHTING MEASURES

Flash Point: NA
Flash Point Method: NA
Burning Rate: ND
Autoignition Temperature: ND
LEL: ND
UEL: ND
Flammability Classification: NA

Extinguishing media: Foam, dry chemical, carbon dioxide, water

Special Fire fighting procedures: Use self-contained breathing apparatus and protective clothing if needed.

Unusual Fire & Explosion Hazard: Direct rapid contact with water will produce violent exothermic reaction.

6 ACCIDENTAL RELEASE MEASURES

Sweep or shovel into containers for disposal or reuse. REACTS VIOLENTLY WITH WATER. Keep away from combustibles (wood, paper, oil, etc.) If water is used for clean up, use large quantities until areas are flushed.

7 HANDLING AND STORAGE

Handling Precautions: Handle all containers carefully. Store in a cool dry area. Keep container closed when not in use.
REACTS VIOLENTLY WITH WATER.
DANGER: Oxidizer. Material can initiate spontaneous combustion of wood, cloth and other organic materials. Keep out of reach of children.
Storage Requirements: Handle all containers carefully. Store in a cool dry area. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation Requirement: General Ventilation. Use mechanical ventilation where dusts or mists are generated
Protective Equipment: HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron
Respiratory Protection: dust mask.; NIOSH/MSHA- Approved respirator recommended
Protective gloves: Rubber or neoprene
Eye protection: Splashproof glasses/ goggles
Exposure Guidelines/Other: Hygienic work practices: Wash with soap and water before handling food. Remove contaminated clothing.



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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red granular mixture	Boiling Point:	NA
Physical State:	Solid	Freezing/Melting Pt.:	NA
Odor:	Charcteristic	Solubility:	Complete
pH:	(1%) : 13.0	Spec Grav./Density:	NA
Vapor Pressure:	NA		
Vapor Density:	NA		

Heat Value:	NA
VOC:	NA
Evap. Rate:	NA
Bulk Density:	NA
Octanol:	NA
Molecular Weight:	NA
Particle Size:	NA
Softening Point:	NA
Viscosity:	NA
Percent Volatile:	NA
Sat. Vap. Concentrat.:	NA
Molecular Formula:	NA

10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	High moisture. High temperature.
Materials to avoid (incompatibility):	Strong acids, strong oxidizing agents, zinc, tin, aluminum, organic halogen and nitrogen compounds
Hazardous Decomposition products:	Carbon monoxide, carbon dioxide, H ₂ , AL ₂ O ₃
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Sodium Hydroxide: Acute Oral LD₅₀: LDLo (rabbit) 500 mg/kg - corrosive.
Skin irritation: Corrosive.

12 ECOLOGICAL INFORMATION

Toxic to aquatic life.
Sodium Hydroxide: 240 ug/l (bluegill) 96hr TLM LC₅₀

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state or federal regulations.



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14 TRANSPORT INFORMATION

Proper Shipping Name: Sodium Hydroxide, Solid Mixture, 8, UN1823, PGI

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Sodium hydroxide (1310732 <70%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

*Sodium nitrate (7631994 <17%) MASS, NJHS, PA

*Aluminum (7429905 <10%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
NJHS = NJ Right-to-Know Hazardous Substances
EPCRAWPC = EPCRA Water Priority Chemicals
SARA313 = SARA 313 Title III Toxic Chemicals

16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical Listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined

END OF MSDS DOCUMENT