

Red Tornado

MSDS Number: SW15J

Revision Date: 7/29/2015

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1	PRODUCT AND COMPANY IDENTIFICATION
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Manufacturer

Wechem, Inc
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Harahan, LA 70123

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Web: www.wechem.com

Product Name: Red Tornado
Revision Date: 7/29/2015
MSDS Number: SW15J
Product Code: SW15
Product Use: Granular Sewer Solvent

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2	HAZARDS IDENTIFICATION
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Route of Entry: Inhalation, skin absorption, eye, inhalation

Target Organs: NA

Inhalation: Excessive exposure to mists or fumes may irritate the mucous membranes and upper respiratory tract.

Skin Contact: Contact may cause skin irritation or possible burn.

Eye Contact: Cause severe irritation as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva. Vapors may irritate eyes.

Ingestion: Harmful or fatal if swallowed. Will cause severe burns of the mucous membranes of mouth, throat and Stomach.

PERSONAL PROTECTION INDEX																						
A												G										
B												H										
C												I										
D												J										
E												K										
F												X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions									
A		n		O		P		q		r		S										
t		U		w		Y		Z		Additional Information												

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 1 A
Health, Serious Eye Damage/Eye Irritation, 1
Physical, Corrosive to Metals, 1

GHS Phrases:

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H290 - May be corrosive to metals

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label and SDS before use.
P223 - Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P260 - Do not breathe dusts.
P264 - Wash hands thoroughly after handling.
P234 - Keep only in original container.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Wash contaminated clothing before reuse.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.
P311 - Immediately call a POISON CENTER or doctor/physician.
P405 - Store locked up.
P406 - Store in a corrosive resistant plastic container.
P501 - Dispose of contents/container in accordance with all local/regional/national/international regulations.

Danger: Harmful if swallowed. Causes severe skin burns and eye damage. REACTS VIOLENTLY WITH WATER. May cause respiratory irritation.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
1310-73-2	Sodium Hydroxide	<70%	2mg/m3	2mg/m3	D
7631-99-4	Sodium Nitrate	<17%	NA	NA	D
7429-90-5	Aluminum Granules	<10%	15mg/m3	15mg/m3	D

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FIRST AID MEASURES

- Inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a doctor.
- Skin Contact:** Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower. If skin irritation persists get medical attention.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or a physician.
- Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

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FIRE FIGHTING MEASURES

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

Suitable fire extinguishing media: Use large amounts of water, fog or foam.

Specific hazards arising from the chemical: Reacts with water to generate heat and fumes. Using large amounts of water will suppress the reaction.

Hazardous thermal decomposition products: Carbon Dioxide, Carbon Monoxide, Ammonia

Specific fire-fighting methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

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ACCIDENTAL RELEASE MEASURES

Keep away from combustibles (wood, paper, oil, etc.) Personal precautions: Put on appropriate personal protective equipment (see section 8)

Environmental precautions and clean-up methods: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Prevent runoff from entering drains, sewers, streams or other bodies of water. Sweep up and transfer contaminated product, soil and other materials to containers for disposal. Keep away from combustibles (wood, paper, oil, etc.). Reacts with water to generate heat and fumes. If water is used for clean up, use large quantities until area is flushed.

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HANDLING AND STORAGE

Handling Precautions: Handle all containers carefully. Store in a cool dry area. Keep container closed when not in use. Do not get in eyes, on skin or on clothing. Avoid breathing dusts. Keep out of reach of children.

REACTS VIOLENTLY WITH WATER.

DANGER: Oxidizer. Material can initiate spontaneous combustion of wood, cloth and other organic materials.

Storage Requirements: Handle all containers carefully. Keep containers tightly closed. Store in a cool dry area. Keep out of reach of children.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation Requirement: General Ventilation. Use mechanical ventilation where dusts or mists are generated

Personal Protective Equip:

HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron

Respiratory Protection: When respiratory protection is required, use a respirator with particulate cartridge or dust mask. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

Protective gloves: Wear impervious gloves (made from rubber, nitrile or neoprene), clothing, and boots.

Eye protection: Safety glasses/goggles plus face shield

Hygienic work practices: Wash with soap and water before handling food. Remove contaminated clothing.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Red/Purple granular mixture

Physical State:

Solid Granules

Particle Size:

Not available

Spec Grav./Density:

Not available

pH:

(1%) : 13.0

Odor:

slight solvent

Solubility:

Complete

VOC:

0.5% wt.

Bulk Density:

Not available

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STABILITY AND REACTIVITY

Stability:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid:

Stable under normal conditions.

High temperatures, contact with moisture.

Materials to Avoid:

Strong acids, strong oxidizing agents, zinc, tin, aluminum, organic halogen and nitrogen compounds

Hazardous Decomposition:

Carbon monoxide, Carbon dioxide, H₂, ammonia

Hazardous Polymerization:

Reacts with water to generate heat and fumes (ammonia).

Will not occur

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TOXICOLOGICAL INFORMATION

Primary Route of Entry: Skin contact, eye contact, inhalation

Acute/Potential Health Effects:

EYES: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

INHALATION: Excessive exposure to dusts may irritate the mucous membranes and upper respiratory tract.

INGESTION: May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

Chronic / Long Term Effects: None known.

Target Organ Effects: Lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Sodium Hydroxide: Oral - LD50, rat 300-500 mg/Kg

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

Skin irritation: Corrosive.

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ECOLOGICAL INFORMATION

Toxic to aquatic life.

Sodium Hydroxide: Fish LC50, Mosquitofish (*Gambusia affinis affinis*), 125 mg/l, 96 hr.

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DISPOSAL CONSIDERATIONS

Dispose of according to local, state or federal regulations.

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TRANSPORT INFORMATION

Proper Shipping Name: UN1823, Sodium Hydroxide, Solid Mixture, 8, PG II

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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

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

*Aluminum Granules(7429905 <10%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, 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
TSCA = Toxic Substances Control Act

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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