

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : BIG RIG
Product form: Liquid
Other means of identification: 0710

Relevant identified uses of the substance or mixture: Liquid detergent

Details of the supplier of the safety data sheet

Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Serious eye damage/irritation – Category 1
Skin corrosion/irritation – Category 1B
Acute Toxicity, Oral – Category 4
Acute Toxicity, Dermal – Category 4
Acute Toxicity, Inhalation – Category 4
Corrosive to metals
Pictogram



Signal Word

DANGER

Hazard Statements

Causes serious eye damage.
Causes severe skin burns and eye damage.
Harmful if swallowed, in contact with skin or if inhaled.
May be corrosive to metals.

Precautionary Statements – Prevention .

Keep in original container.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash exposed skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Do not breathe dusts or mists.
Use only in a well ventilated area.

Precautionary Statements – Response

IF SWALLOWED: Call a Poison Center or a doctor/physician if you feel unwell. Rinse mouth.
IF ON SKIN: Take off all contaminated clothing, wash with plenty of soap and water. Call a Poison Center or a doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or a doctor/physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor/physician.

Precautionary Statements – Storage

Store in a well ventilated place, Keep container tightly closed, keep cool.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS#	%
Tetrasodium ethylenediamine tetraacetate	64-02-8	1-5
sodium metasilicate	6834-92-0	1-5
Nonylphenol, ethoxylated	127087-87-0	1-5
Potassium hydroxide	1310-58-3	1-5
sodium xylene sulfonate	1300-72-7	1-10
butyl cellosolve	111-76-2	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

Description of first aid measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin Contact: Remove contaminated clothing. Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.

Ingestion: Call a Poison Center or a doctor/physician if you feel unwell. Rinse mouth.

Potential Effects of Exposure

Eyes: Causes serious eye damage.

Skin: Causes skin burns.

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion: Harmful if swallowed. Irritating to mouth, throat and stomach.

Over Exposure Signs/Symptoms

Eye Contact: Adverse symptoms may include the following: Pain or irritation, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Adverse symptoms may include the following: Irritation, redness.

Ingestion: Harmful if swallowed. Irritating to mouth, throat and stomach

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Specific Treatments: No specific treatment

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: No data available.

Specific Hazards Arising from the Chemical

No data available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear. Keep upwind of the fire.

Section VI –Accidental Release Measures

STEPS TO BE TAKEN IN THE EVENT OF SPILLS, LEAKS, OR RELEASES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Pick up and arrange for disposal without creating dust.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal. Do not absorb in saw-dust or other combustible absorbents.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store only in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines:

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH
Tetrasodium ethylenediamine tetraacetate	64-02-8	No exposure limits	No exposure limits	No exposure limits
sodium metasilicate	6834-92-0	No exposure limits	No exposure limits	No exposure limits
Nonylphenol, ethoxylated	127087-87-0	No exposure limits	No exposure limits	No exposure limits
Potassium hydroxide	1310-58-3	2 mg/m ³	No exposure limits	2 mg/m ³
sodium xylene sulfonate	1300-72-7	No exposure limits	No exposure limits	No exposure limits
butyl cellosolve	111-76-2	20 ppm	50 ppm 240 mg/m ³	5 ppm 24 mg/m ³

Engineering Controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Respiratory Protection: Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eye Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin Protection: Prevent contact with shoes and clothing; use rubber apron and overshoes.

Other Protective Equipment: Eye wash stations and emergency showers should be available. The type and degree of personal protective equipment appropriate will depend on the specific work operation. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Red
<u>Property</u>	<u>Values</u>
pH	No data available
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100 ° C (212 ° F)
Flash Point	None
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	Not Flammable
Lower Flammable Limits	Not Flammable
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.08
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available

Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Cherry
Odor Threshold	No data available

Section X – Stability & Reactivity

Stability: STABLE

Conditions to Avoid: Extreme heat or freezing temperatures.

Incompatible Materials: Strong oxidizing agents, amphoteric metals.

Hazardous Decomposition Products: Carbon oxides

Hazardous Polymerization: Will not occur.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes eye damage.

Skin Contact: Avoid contact with skin. Causes burns.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Tetrasodium ethylenediamine tetraacetate	64-02-8	3030 mg/kg (Rat)	>5000 mg/kg (Rabbit)	No data available
sodium metasilicate	6834-92-0	600 mg/kg (Rat)	No data available	No data available
Nonylphenol, ethoxylated	127087-87-0	>3310 ml/kg (Rat)	>2000 ml/kg (Rabbit)	No data available
Potassium hydroxide	1310-58-3	No data available	No data available	No data available
sodium xylene sulfonate	1300-72-7	>7200 mg/kg (Rat)	>2000 ml/kg (Rabbit)	>6.41 mg/l (Rat)
butyl cellosolve	111-76-2	470 mg/kg (Rat)	220 mg/kg (Rabbit)	450 ppm 4 h (Rat)

Chemical Name	Tetrasodium ethylenediamine tetraacetate	sodium metasilicate	Nonylphenol, ethoxylated
Skin corrosion/irritation	skin irritation & burns	Skin burns	skin irritation
Serious eye damage/irritation	Severe eye irritation	Severe eye irritation	Serious eye irritation
Respiratory or skin sensitization	No data available	No data available	Not a sensitizer.
Mutagenicity	negative	negative	No data available
Carcinogenicity	negative	Not classified	Not considered a carcinogen
Reproductive toxicity	No data available	No data available	Not expected to cause.
Specific target organ toxicity-Single exposure	No data available	Respiratory tract irritation	Not classified.
Specific target organ toxicity-repeated exposure	No data available	No data available	Not classified.
Aspiration hazard	Aspiration hazard.	No data available	Not an aspiration hazard.

Chemical Name	Potassium hydroxide	sodium xylene sulfonate	butyl cellosolve
Skin corrosion/irritation	Skin burns	Mild irritant	Open irritation test
Serious eye damage/irritation	Serious eye irritation	moderate irritant	Moderate irritant
Respiratory or skin sensitization	Not a sensitizer.	Not a sensitizer	No data available
Mutagenicity	No data available	negative	No data available
Carcinogenicity	Not considered a carcinogen	Not considered a carcinogen	Group 3 not classifiable to its carcinogenicity to humans.
Reproductive toxicity	No data available	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	No data available	No data available
Specific target organ toxicity-repeated exposure	No data available	No data available	No data available
Aspiration hazard	Not an aspiration hazard.	No data available	No data available

Section XII - Ecological information

Product/ingredient name	Algae/aquatic plants	Fish	Aquatic invertebrates
Tetrasodium ethylenediamine tetraacetate	No data available	Pimephales promelas (fathead minnow) - >100 mg/l - 96 h	No data available
sodium metasilicate	No data available	No data available	No data available
Nonylphenol, ethoxylated	No data available	No data available	No data available
Potassium hydroxide	No data available	No data available	No data available
sodium xylene sulfonate	EC50 Algae, >230 mg/l 96 h	LC50 Fish, >1000 mg/l 96 h	EC50 Daphnia, >1000mg/l 48 h
butyl cellosolve	No data available	LC50 other Fish, 220 mg/l 96 h	EC50 Daphnia magna (Water flea) 1815 mg/l 24 h

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

WASTE DISPOSAL METHOD

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Cleaning Liquid, Not regulated as dangerous goods.

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute and chronic health hazard

SARA Title III Section 313 (40CFR372): 2-butoxyethanol

CERCLA Status (40CFR302): Not listed

RCRA Status(40CFR261.33): Not listed

TSCA Inventory Status: Included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: Included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is known to contain chemicals currently listed as carcinogens or reproductive toxins. ethylene oxide, 1,4-Dioxane

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Tetrasodium ethylenediamine tetraacetate	Not regulated	Not regulated	Not regulated
sodium metasilicate	Not regulated	Not regulated	Not regulated
Nonylphenol, ethoxylated	Not regulated	Not regulated	Not regulated
Potassium hydroxide	X	X	X
sodium xylene sulfonate	Not regulated	Not regulated	Not regulated
butyl cellosolve	X	X	X

Section XVI - Other information

HMIS ratings: Health: 3
Flammability: 0
Reactivity: 0

Indication of changes: Revision – 1
Date Sheet Prepared: 06/24/2015
Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS