

SAFETY DATA SHEET

RED RAGE

Version: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade Name Red Rage

Intended Use Car refinishing/detailing products

Supplier Blue Ribbon Products
7687 Winton Dr. Bldg 130
Indianapolis, IN 46268

E-Mail blueribbon@iquest.com

Emergency phone no. +1-800-424-9300

2. HAZARDS IDENTIFICATION**Indication of danger**

-Corrosive

Risk Warnings

-Causes burns.

-Harmful by inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	EINECS-No	Concentration	Symbol(s)	R-phrase(s)
BUTOXYETHANOL	111-76-2	203-905-0	>=2.5 - <5%	Xn Xi	R20/21/22/36/38
SODIUM HYDROXIDE	1310-73-2	215-185-5	>=2.5 - <5%	C	R35
Pentasodium triphosphate	7758-29-4	231-838-7	>=2.5 - <5%	Xi	R36/R38
SODIUM DODECYLBENZENES ULFONATE	25155-30-0	246-680-4	>=1 - <2.5%	Xi	R38

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4. FIRST AID MEASURES**GENERAL INFORMATION**

Move out of dangerous area. Get medical attention immediately. Do not leave the victim unattended. Consult a physician. Show this safety data sheet to the doctor in attendance.

EYES

If material gets into the eyes, immediately flush eyes gently with water for a least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention. Do not remove the victim from water access for transport to a medical facility unless instructed to do so by qualified medical personnel. If possible, continue flushing the eye gently with water while transporting the victim. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Remove contact lenses.

Skin

Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and decontaminate or discard contaminated shoes. Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Wash contaminated clothing before re-use.

Ingestion

Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave individual unattended. Do NOT induce vomiting. Rinse mouth with water. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen. Move to fresh air. Call a physician or poison control centre immediately. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen.

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Notes to physician

Hazards: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting. Excessive levels of phosphorus can cause low blood calcium, with tetany and convulsions.

Treatment:

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Alcohol-resistant foam, Agents approved for class B hazards or water fog., Carbon dioxide (CO₂), Dry chemical ABC powder, Dry chemical, Water mist, Carbon dioxide (CO₂)

Unsuitable extinguishing media

DO NOT USE: Halons

Hazardous combustion products

May form:., Carbon dioxide (CO₂), Carbon monoxide, Oxides of phosphorus, sodium oxides, various hydrocarbons
May form:., carbon dioxide and carbon monoxide, corrosive vapors, sodium oxides, toxic fumes, Oxides of phosphorus, sulfur oxides

Thermal decomposition

no data available

Precautions for fire-fighting

No special fire hazards are known to be associated with this product. Do not allow run-off from fire fighting to enter drains or water courses. Keep containers and surroundings cool with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Personal protective equipment

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks. Persons not wearing protective equipment should be excluded

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from area of spill until clean-up has been completed. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Evacuate personnel to safe areas.

Environmental precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Neutralise with acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Large spills should be collected mechanically (remove by pumping) for disposal. Keep in suitable, closed containers for disposal.

Other information

Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Avoid formation of aerosol. Do not breathe vapours or spray mist. For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. Avoid exceeding of the given occupational exposure limits (see section 8). When diluting, always add the product to water. Never add water to the product. When neutralising, always add the product to the neutralising agent. Never add neutralising agent to the product. Smoking, eating and drinking should be prohibited in the application area. Warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Normal measures for preventive fire protection.

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Storage

Store in closed containers in a dry, well-ventilated area. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Stable under recommended storage conditions. Protect from frost.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines****BUTOXYETHANOL (111-76-2)**

EU ELV	time weighted average	20 ppm	
EU ELV	time weighted average	98 mg/m ³	
EU ELV	Short term exposure limit	50 ppm	
EU ELV	Short term exposure limit	246 mg/m ³	

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities. Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke. Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects., Mechanical ventilation systems used to ventilate corrosive storage or process areas must be designed with components that are corrosion resistant. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Eye protection

Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist., Maintain eye wash station in immediate work area. Face-shield

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Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).

Discard gloves that show tears, pinholes, or signs of wear.

Wear appropriate chemical impervious clothing and boots whenever there is potential for skin contact with product. Launder clothing before reuse. Maintain safety shower at all locations where skin contact could occur. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility.

Wear as appropriate:

Safety shoes

impervious clothing

Chemical resistant apron

Discard contaminated shoes.

Wear resistant gloves such as:

Nitrile rubber

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection. In the case of vapour formation use a respirator with an approved filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	no data available
Colour	purple
Odour	no data available
Boiling point/boiling range	100.00 °C @ 1,013.33 hPa
Melting Point/range	not data available
pH	13
Flash point	202.00 °F
Evaporation rate	no data available
Explosion limits	1.1 % (V) 10.6% (V)
Vapour pressure	25.44 hPa
Vapour density	no data available
Density	1.050 g/cm ³
Solubility	no data available
Partition coefficient: n-octanol/water	no data available
log Pow	no data available
Autoignition temperature	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	no data available

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10. STABILITY AND REACTIVITY

Stability

Stable. Stable under recommended storage conditions.

Conditions to avoid

Avoid contact with:, heat, Exposure to moisture.

Incompatible products

Avoid contact with:, aluminum, strong acids, strong alkalis, strong oxidizing agents, strong reducing agents
Avoid contact with:, aluminum, salts of strong bases, Strong acids, strong alkalis, strong oxidizing agents, organic materials, strong mineral acids, strong organic acids, water, Copper alloys, glycols, halogenated hydrocarbons, organic nitro compounds, reducing agents

Hazardous decomposition products

May form:, Carbon dioxide (CO₂), Carbon monoxide, Oxides of phosphorus, sodium oxides, various hydrocarbons
May form:, aldehydes, carbon dioxide and carbon monoxide, ketones, Organic acids, corrosive vapors, sodium oxides, toxic fumes, Oxides of phosphorus

Hazardous reactions

Product will not undergo hazardous polymerization. Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Routes of exposure

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion, Eye Contact, Inhalation

Eye contact

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness. May cause irreversible eye damage.

Skin contact

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. Causes skin burns.

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Ingestion

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Exposure causes severe irritation of the gastrointestinal tract. Not known to be harmful if swallowed.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract. Harmful by inhalation.

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: respiratory tract, skin, lung (for example, asthma-like conditions), liver, kidney, blood-forming system. Exposure to this material may aggravate any preexisting condition sensitive to a decrease in available oxygen, such as chronic lung disease, coronary artery disease or anemias. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like conditions), Liver, kidney, upper respiratory tract, Skin

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), low blood pressure, Abdominal pain, effects on heart rate, difficult breathing, cyanosis (causes blue coloring of the skin and nails from lack of oxygen), Bloody urine, blood abnormalities (breakage of red blood cells), lung edema (fluid buildup in the lung tissue), kidney damage, liver damage, lung damage, damage to the mouth, throat, and/or airways, shock, coma. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), difficulty in breathing,

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Bloody urine, blood abnormalities (breakage of red blood cells), kidney damage, liver damage, coma, cough, lung edema (fluid buildup in the lung tissue), lung damage, damage to the mouth, throat, and/or airways, stomach or intestinal upset (nausea, vomiting, diarrhea), lowered blood pressure, Exposure to this product (or a component) may cause an allergic reaction (narrowing of the air passages of the lungs resulting in difficult breathing, tightness in the chest, coughing and wheezing) in some sensitive individuals. Other symptoms of an allergic reaction may include itchy and watery eyes, runny and stuffy nose, sweating, flushing, hives, rapid heart rate, and lowered blood pressure.

Target Organs

Acute lethal exposure to ethylene glycol monobutyl ether in animal studies has resulted in congestion of organs including kidney, spleen, and lung., Studies with rabbits indicate that sustained, occluded skin contact with undiluted surfactant may result in the development of inflammatory changes in the lung., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:

Component data**Acute oral toxicity**

BUTOXYETHANOL	LD 50 Guinea pig: 1,200 mg/kg
SODIUM HYDROXIDE	LD Lo Rabbit: 500mg/kg
Pentasodium triphosphate	LD 50 Rat: 3,120 mg/kg
SODIUM DODECYLBENZENESULFONATE	ld 50 Rat: 438 mg/kg

Acute inhalation toxicity

BUTOXYETHANOL	LC 50 Guinea pig: 633 ppm, 1 h
SODIUM HYDROXIDE	no data available
Pentasodium triphosphate	no data available
SODIUM DODECYLBENZENESULFONATE	no data available

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12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity

no data available

Environmental fate and pathways

Biodegradation

no data available

Bioaccumulation

The bioaccumulation potential cannot be determined.

Component data

BUTOXYETHANOL (111-76-2)

SODIUM HYDROXIDE (1310-73-2)

96 h LC 50 Western mosquitofish (*Gambusia affinis*) Static: 125 mg/l

48 h EC 50 Water flea (*Daphnia magna*) : 34.59 - 47.13 mg/l

Pentasodium triphosphate (7758-29-4)

SODIUM DODECYLBENZENESULFONATE (25155-30-0)

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Do not contaminate ponds, waterways or ditches with chemical or used container. Container hazardous when empty. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Empty packaging

Empty remaining contents. Dispose of as unused product. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

European Waste Catalogue

not hazardous

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14. TRANSPORT INFORMATION

RID:

UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.) 8, III

IMDG:

UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.) 8, III

IATA_P:

UN1719, Caustic alkali liquid, n.o.s. (SODIUM HYDROXIDE, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.) 8, III

IATA_C:

UN1719, Caustic alkali liquid, n.o.s. (SODIUM HYDROXIDE, BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.) 8, III

ADR:

UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE BENZENESULFONIC ACID, C10-16-ALKYL DERIVS.) 8, III

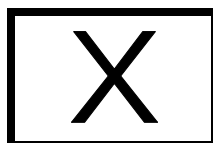
Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, enduse or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

Product Use Description

no data available

Hazard symbols



Corrosive

R-phrase(s)

R20 Harmful by inhalation.

R34 Causes burns.

S-phrase(s)

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

S42 During fumigation/spraying wear suitable respiratory equipment.

S23 Do not breathe vapour.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.



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S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S51 Use only in well-ventilated areas.

S60 This material and its container must be disposed of as hazardous waste.

Contains

SODIUM HYDROXIDE	1310-73-2
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Regulations in other countries

Germany

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Blue Ribbon Environmental Health and Safety Department (888-274-2266).