

SAFETY DATA SHEET

UPHOLSTERY CLEANER CONCENTRATE

Version: 1.0

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

Trade Name

Upholstery Cleaner Concentrate

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

- Irritant

Risk Warnings

- Irritating to eyes and skin

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 xylenesulphonate	1300-72-7	215-090-9	>=2.5 - <5%	Xi	R36,R38
Pentasodium triphosphate	7758-29-4	231-838-7	>=2.5 - <5%	Xi	R36/R38
Benzenesulfonic acid, C10-16-alkyl derivs	68584-22-5	271-528-9	>=2.5 - <5%	C	R34
Trisodium orthophosphate	7601-54-9	231-509-8	>=1 - <2.5%	C	R34
Alcohols, C9-11, Ethoxylated	68439-46-3		>=1 - <2.5%	Xi	R38,R41
Potassium Hydroxide	1310-58-3	215-181-3	>=0.5 - <1%	Xn C	R22, R35

4. FIRST AID MEASURES

GENERAL INFORMATION

Consult a physician. Show this safety data sheet to the doctor in attendance.

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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. 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. Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

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 without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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. If symptoms persist, call a physician. In case of shortness of breath, give oxygen.

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:

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Agents approved for class B hazards or water fog., Alcohol-resistant foam, 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 and carbon monoxide, Oxides of phosphorus, sodium oxides, various hydrocarbons
May form: carbon dioxide and carbon monoxide, sulfur compounds, Oxides of phosphorus, sodium 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 proper personal protective equipment should be excluded from area of spill. 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.

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.

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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. 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. Avoid contact with skin and eyes. 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. Under oxidation conditions, peroxides may be formed. If they become concentrated, these peroxides may present an explosion hazard. Normal measures for preventive fire protection.

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.

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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 TLV(s). 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

Chemical splash goggles and face shield (8" min.) in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.) Safety glasses with side-shields

Skin and body protection

Wear impervious gloves (consult your safety equipment supplier).
To prevent skin contact, wear impervious full-body protective clothing.
Other protective equipment: eyewash station, emergency shower.
Wear as appropriate:
Safety shoes
Wear resistant gloves such as:
Nitrile rubber

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Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	no data available
Colour	violet
Odour	fruity
Boiling point/boiling range	100.00 °C @ 1,013.33 hPa
Melting Point/range	no data available
pH	13
Flash point	
Evaporation rate	not data available
Explosion limits	1.1 % (V) 10.6% (V)
Vapour pressure	
Vapour density	no data available
Density	no data available
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

10. STABILITY AND REACTIVITY**Stability**

Stable. Stable under recommended storage conditions.

Conditions to avoid

Avoid contact with: heat, Exposure to moisture., excessive heat

Incompatible products

Avoid contact with: aluminum, magnesium, strong mineral acids, strong oxidizing agents, strong reducing agents
Avoid contact with: aluminum, salts of strong bases, Strong acids, strong alkalis, strong oxidizing agents, This product should not be used in conjunction with trimethylol propane or trimethylol propanederived

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products. There is a possibility that bicyclic phosphates or phosphites can be produced as a result of the thermal decomposition of this product in combination with trimethylol propane, trimethylol propane-derived products or their corresponding trimethylol propane alkane homologs. Bicyclic phosphates and phosphites are a class of materials with acute neurotoxic properties which produce characteristic convulsive seizures in test animals., magnesium, strong mineral acids, Amines, ammonia, organic materials, reducing agents, Do not use with aluminum equipment at temperatures above 120 degrees F.

Hazardous decomposition products

May form:, carbon dioxide and carbon monoxide, Oxides of phosphorus, sodium oxides, various hydrocarbons
May form:, aldehydes, carbon dioxide and carbon monoxide, ketones, Organic acids, sulfur compounds, Oxides of phosphorus, sodium oxides, Chlorine

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
Skin contact, Eye Contact, Ingestion, Inhalation

Eye contact

Causes eye burns. Causes eye irritation.

Skin contact

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

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. No known to be harmful if swallowed.

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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. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.). Not known to be harmful if inhaled.

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: 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, Skin, immune system

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, coma, and death. 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, Bloody urine, blood abnormalities (breakage of red blood cells), kidney damage, liver damage, coma, stomach or intestinal upset (nausea, vomiting, diarrhea), lowered blood pressure, cough, lung edema (fluid buildup in the lung tissue)

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

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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 xylenesulphonate	LD 50 Rat: 4,000 mg/kg
Pentasodium triphosphate	LD 50 Rat: 3,120 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivs.	no data available
Trisodium orthophosphate	LD 50 Rat: 4,150 mg/kg
ALCOHOLS, C9-11, ETHOXYLATED	LD 50 Rat: 1.4 g/kg
POTASSIUM HYDROXIDE	no data available

Acute inhalation toxicity

BUTOXYETHANOL	LC 50 Guinea pig: 633 ppm, 1 h
Sodium xylenesulphonate	no data available
Pentasodium triphosphate	no data available
Benzenesulfonic acid, C10-16-alkyl derivs.	no data available
Trisodium orthophosphate	no data available
ALCOHOLS, C9-11, ETHOXYLATED	no data available
POTASSIUM HYDROXIDE	no data available

12. ECOLOGICAL INFORMATION**Product information****Aquatic toxicity**

no data available

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Environmental fate and pathways**Biodegradation**

no data available

Bioaccumulation

The bioaccumulation potential cannot be determined.

Component data**BUTOXYETHANOL (111-76-2)****Sodium xylenesulphonate (1300-72-7)****Pentasodium triphosphate (7758-29-4)****Benzenesulfonic acid, C10-16-alkyl derivs. (68584-22-5)****Trisodium orthophosphate (7601-54-9)**96 h LC 50 Western mosquitofish (*Gambusia affinis*) Static: 28.5 mg/l**ALCOHOLS, C9-11, ETHOXYLATED (68439-46-3)**96 h LC 50 Fathead minnow (*Pimephales promelas*) Renewal: 8.5 - 17 mg/l48 h EC 50 Water flea (*Daphnia magna*) Renewal: 2.9 - 8.5 mg/l**POTASSIUM HYDROXIDE (1310-58-3)****13. DISPOSAL CONSIDERATIONS****Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. 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. (BENZENESULFONIC ACID, C10-16-ALKYL DERIVS., SODIUM METASILICATE) 8, II

IMDG:

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

IATA_P:

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

IATA_C:

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

ADR:

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

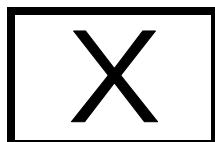
Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, enduse or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

Product Use Description

no data available

Hazard symbols



Irritant

R-phrase(s)

R36/38 Irritating to eyes and skin.

S-phrase(s)

S23 Do not breathe vapour.

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

S37/39 Wear suitable gloves and eye/face protection.

S51 Use only in well-ventilated areas.

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



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Contains

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 Ashland's Environmental Health and Safety Department (+31 10 497 5000).