

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 001  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: UNIVERSAL MEDIUM REDUCER SSP 4000

General or Generic ID: SOLVENT BLEND

Company

SHOPSMART SUPPLY  
3535 ROSECRANS AVENUE  
HAWTHORNE CA 90250  
1-877-644-1333

Emergency Telephone Number:

CHEMTREC.  
1-800-424-9300  
24 HOURS EVERYDAY

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
BUTYL ACETATE	123-86-4	37.0- 41.0
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9	36.0- 40.0
TOLUENE	108-88-3	15.0- 15.0
ETHYL ACETATE	141-78-6	6.0- 10.0

---

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 002

Date Prepared: 02/20/06

Date Printed: 10/02/06

MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8). Breathing air containing n-butyl acetate, which results from its use in aerosol applications, may cause delayed lung injury.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: metallic taste, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, temporary changes in mood and behavior, muscle weakness, loss of coordination, confusion, irregular heartbeat, narcosis (dazed or sluggish feeling), lung edema (fluid buildup in the lung tissue), kidney damage, coma, and death.

Target Organ Effects

Prolonged intentional toluene abuse may lead to damage to many organ systems having effects on: central and peripheral nervous systems, vision, hearing, liver, kidneys, heart and blood. Such abuse has been associated with brain damage characterized by disturbances in gait, personality changes and loss of memory. Comparable central nervous system effects have not been shown to result from occupational exposure to toluene. Prolonged intentional toluene abuse may lead to hearing loss progressing to deafness. In addition, while noise is known to cause hearing loss in humans, it has been suggested that workers exposed to organic solvents, including toluene, along with noise may suffer greater hearing loss than would be expected from exposure to noise alone. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible spleen effects, blood abnormalities,

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 003

Date Prepared: 02/20/06

Date Printed: 10/02/06

MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

respiratory tract damage (nose, throat, and airways), thymus damage liver damage, male and female reproductive fertility effects, effects on hearing, testis damage, damage to the blood-forming system, kidney damage, central nervous system damage Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: male and female reproductive fertility effects, testis damage, damage to blood-forming system, kidney damage.

Developmental Information

Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans. Ethylene glycol monoethyl ether and its acetate have caused birth defects in laboratory animals following inhalation exposure, skin exposure, or when given to the animals through a feeding tube. The relevance of this finding to humans is uncertain.

Cancer Information

This material is not expected to cause cancer in humans since it did not cause cancer in laboratory animals. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

---

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 004  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Ingestion or other significant exposure to this material (or a component) may cause metabolic acidosis. Pulmonary edema may be delayed. 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, central nervous system, blood-forming system, male reproductive system, immune system, auditory system, female reproductive system, Individuals with preexisting heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

---

5. FIRE FIGHTING MEASURES

Flash Point

24.0 - 34.0 F (-4.4 - 1.1 C) TCC

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 005  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Explosive Limit  
(for component) Lower 1.2 Upper 12.7 %

Autoignition Temperature  
No data

Hazardous Products of Combustion  
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards  
Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media  
regular foam (such as AFFF), water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions  
Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating  
Health - 2, Flammability - 3, Reactivity - 0

---

6. ACCIDENTAL RELEASE MEASURES

Small Spill  
Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from area of spill.

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 006

Date Prepared: 02/20/06

Date Printed: 10/02/06

MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Large Spill

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

---

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. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Precautions during use: avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. 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.

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 007  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Storage

Do not store near extreme heat, open flame, or sources of ignition.

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

-----  
BUTYL ACETATE (123-86-4)  
OSHA PEL 150.000 ppm - TWA  
OSHA VPEL 150.000 ppm - TWA  
OSHA VPEL 200.000 ppm - STEL  
ACGIH TLV 150.000 ppm - TWA  
ACGIH TLV 200.000 ppm - STEL

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE (111-15-9)  
OSHA PEL 100.000 ppm - TWA (Skin)  
OSHA VPEL 100.000 ppm - TWA (Skin)  
ACGIH TLV 5.000 ppm - TWA (Skin)

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 008  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

OTHER LIMIT 2.000 ppm - TWA  
OTHER LIMIT 5.000 ppm - STEL 15 minutes

TOLUENE (108-88-3)  
OSHA PEL 200.000 ppm - TWA  
OSHA PEL 300.000 ppm - Ceiling  
OSHA VPEL 100.000 ppm - TWA  
OSHA VPEL 150.000 ppm - STEL  
ACGIH TLV 50.000 ppm - TWA (Skin)  
ACGIH TLV 0.000 mg/m3 - Ceiling (Skin)

ETHYL ACETATE (141-78-6)  
OSHA PEL 400.000 ppm - TWA  
OSHA VPEL 400.000 ppm - TWA  
ACGIH TLV 400.000 ppm - TWA

---

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point  
(for component) 168.0 F (75.5 C)

Vapor Pressure  
(for component) 93.200 mmHg

Specific Vapor Density  
> 1.000 @ AIR=1

Specific Gravity  
.898 - .935 @ 68.00 F

Liquid Density  
7.630 lbs/gal @ 68.00 F  
.916 kg/l @ 20.00 C

Percent Volatiles  
No data

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 009

Date Prepared: 02/20/06

Date Printed: 10/02/06

MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

Volatile Organic Compounds (VOC)  
914.770 g/l

Evaporation Rate  
SLOWER THAN ETHYL ETHER

Appearance  
CLEAR AND PARTICLE FREE

State  
LIQUID

Physical Form  
HOMOGENEOUS SOLUTION

Color  
WATER WHITE

Odor  
HYDROCARBON

pH  
No data

---

10. STABILITY AND REACTIVITY

Hazardous Polymerization  
Product will not undergo hazardous polymerization.

Hazardous Decomposition  
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability  
Stable.

Incompatibility  
Avoid contact with: acids, alkalis, amines, heat, organic absorbents such as sawdust, peat moss, ground corn cobs, etc., strong oxidizing agents.

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 010  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

11. TOXICOLOGICAL INFORMATION

No data

---

12. ECOLOGICAL INFORMATION

No data

---

13. DISPOSAL CONSIDERATION

Waste Management Information

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. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-531-7106.

---

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

PAINT RELATED MATERIAL, 3, UN1263, II

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 011  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

NOS Component:  
Not applicable

RQ (Reportable Quantity) - 49 CFR 172.101  
Product Quantity (lbs) Component

6642	TOLUENE
12839	N-BUTYL ACETATE

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status  
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs)
N-BUTYL ACETATE	5000
TOLUENE	1000
ETHYL ACETATE	5000

SARA 302 Components - 40 CFR 355 Appendix A  
None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire(X) Reactive( ) Sudden  
Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s)	CAS Number	%
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	111-15-9	38.07
TOLUENE	108-88-3	15.05

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 012  
Date Prepared: 02/20/06  
Date Printed: 10/02/06  
MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

OSHA Process Safety Management 29 CFR 1910  
None listed

EPA Accidental Release Prevention 40 CFR 68  
None listed

International Regulations  
Inventory Status  
Not determined

State and Local Regulations

California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer.

BENZENE  
ACETALDEHYDE

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm.

ETHYLENE GLYCOL MONOETHYL ETHER ACETATE  
TOLUENE  
BENZENE

New Jersey RTK Label Information

N-BUTYL ACETATE	123-86-4
2-ETHOXYETHYLACETATE	111-15-9
TOLUENE	108-88-3
ETHYL ACETATE	141-78-6

Pennsylvania RTK Label Information

ACETIC ACID, BUTYL ESTER	123-86-4
ETHANOL, 2-ETHOXY-, ACETATE	111-15-9
BENZENE, METHYL-	108-88-3
ACETIC ACID ETHYL ESTER	141-78-6

Continued on next page

MATERIAL SAFETY DATA SHEET

SHOPSMART SUPPLY

Page 013

Date Prepared: 02/20/06

Date Printed: 10/02/06

MSDS No: 301.0410277-001.001

UNIVERSAL MEDIUM REDUCER SSP 4000

---

16. OTHER INFORMATION

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.