

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
PRODUCT IDENTITY: OX OIL
NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
PAGE 1 OF 7

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1, using the International Chemical Safety Cards of the Global Harmonizing System.

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT IDENTITY: OX OIL
COMPANY IDENTITY: PACKAGE SUPPLY CORP.
COMPANY ADDRESS: 355 BODWELL STREET
COMPANY CITY: AVON, MA 02322
COMPANY PHONE: 1-800-336-8066
CHEMTREC PHONE: 1-800-424-9300

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 98-100% N-BUTANOL (71-36-3) [200-751-6],
0 - 2% POTASSIUM HYDROXIDE (1310-58-3) [215-181-3]
Number in parentheses is CAS #, number in brackets is European EC #.

SECTION 3. HAZARDS IDENTIFICATION

EXPOSURE PREVENTION: AVOID ALL CONTACT!

RISK STATEMENTS:

R36/37/38 Irritating to eyes, respiratory system and skin.
R10 Flammable.
R22 Harmful if swallowed.
R34 Causes burns.
R41 Risk of serious damage to eyes.
R67 Vapors may cause drowsiness and dizziness.

SAFETY STATEMENTS:

S36/37 Wear suitable protective clothing and gloves.
S37/39 Wear suitable gloves and eye/face protection.
S7/9 Keep container tightly closed and in a well-ventilated place.
S15 Keep away from sources of ignition. No smoking.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
PRODUCT IDENTITY: OX OIL
NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
PAGE 2 OF 7

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

SWALLOWING:

Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting.
GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

EXTINGUISHING MEDIA

Use dry powder, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.
Do not enter confined fire-space without full bunker gear.
(Helmet with face shield, bunker coats, gloves & rubber boots).
Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Keep container tightly closed.
Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.
Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE MEASURES:

Keep unprotected personnel away.
Remove all ignition sources.
Use complete chemical protective suit with self-contained breathing apparatus.

CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain.
Sweep spilled material into dry, sealable containers.
Absorb remaining liquid in sand or inert absorbent.

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
PRODUCT IDENTITY: OX OIL
NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
PAGE 3 OF 7

SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.
Avoid contact with skin & eyes.
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, brase, or weld. Empty container very hazardous! Continue all label precautions!
NEVER pour water into this substance. When dissolving or diluting, always add it slowly to the water.

STORAGE

Keep separated from strong oxidants, strong acids, metals, food & feedstuffs.
Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST : Necessary
MECHANICAL (GENERAL) : Acceptable
SPECIAL : None
OTHER : None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
Wash at end of each workshift & before eating, smoking or using the toilet.
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
 PRODUCT IDENTITY: OX OIL
 NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
 PAGE 4 OF 7

SECTION 9. PHYSICAL DATA

APPEARANCE :	Liquid, Water-White		
ODOR :	Alcohol		
BOILING RANGE :	116 116 118* C / 241 242 246* F (*=End Point)		
AUTO IGNITION TEMPERATURE :	343 C / 650 F (Lowest Component)		
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	1.4		
FLASH POINT (TEST METHOD):	36 C / 97 F (TCC)		
FLAMMABILITY CLASSIFICATION:	Class I C		
GRAVITY @ 68/68 F / 20/20 C :	40.8		
API :	0.821		
SPECIFIC GRAVITY (Water=1) :	6.840		
POUNDS/GALLON :	0.000 Lbs/Gal		
VOC'S (>0.44 Lbs/Sq In) :	0.0 Vol. % /	0.0 g/L /	0.000 Lbs/Gal
TOTAL VOC'S (TVOC) :	99.0 Vol. % /	802.9 g/L /	6.688 Lbs/Gal
NONEKEMPT VOC'S (CVOC) :	99.0 Vol. % /	802.9 g/L /	6.688 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	0.0 Wt. % /	0.0 g/L /	0.000 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C	4.3		
NONEKEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	4.3		
VAPOR DENSITY (air=1) :	2.6		
WATER ABSORPTION :	Complete		
pH (Neutrality) (1% solution):	12.5		
REFRACTIVE INDEX :	1.399		

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable under normal conditions.

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

Reacts violently with fire extinguishers containing water.
 The substance is a strong base, reacts violently with acids and is corrosive.
 Reacts with water generating sufficient heat to ignite combustible materials.
 Reacts violently with strong oxidants, strong acids, causing fire & explosion hazard. Attacks many plastics, rubber, coatings, many metals, such as aluminum, zinc, tin, & lead, forming flammable/explosive gas (hydrogen).
 Reacts with ammonium salts to produce ammonia & causing fire hazard.
 Rapidly absorbs carbon dioxide & water from the air.
 Contact with moisture will generate heat..

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
n-Butanol	71-36-3	100 ppm S	25 ppm S	No
Potassium Hydroxide*	1310-58-3	None Known	None Known	No

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
PRODUCT IDENTITY: OX OIL
NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
PAGE 5 OF 7

SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
n-Butanol	71-36-3	50 ppm	25 ppm
Potassium Hydroxide*	1310-58-3	2 ppm	None Known

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye burns. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. The applicable occupational exposure limit value should not be exceeded during any part of the working exposure.

SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
 PRODUCT IDENTITY: OX OIL
 NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
 PAGE 6 OF 7

SECTION 12. ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
n-Butanol	71-36-3	LOWEST KNOWN LD50 (ORAL) 790.0 mg/kg (Rats)
n-Butanol	71-36-3	LOWEST KNOWN LD50 (SKIN) 4200.0 mg/kg (Rabbits)

AQUATIC ANIMAL INFORMATION:

No aquatic environmental information is available on this product.
 The substance may be hazardous in the environment.
 Special attention should be given to water organisms.

MOBILITY

This material is a mobile liquid.

DEGRADABILITY

This product is completely biodegradable.

ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options.
 Recycle / dispose of observing national, regional, state, provincial and local
 health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ," BEFORE SHIPPING NAME.
 DOT SHIPPING NAME: Flammable liquids,corrosive,n.o.s.
 (n-Butanol,Potassium Hydroxide),3,UN2924,PG-III
 (FLAMMABLE LIQUID)
 DRUM LABEL: Flammable liquids,corrosive,n.o.s.
 IATA / ICAO: (n-Butanol,Potassium Hydroxide),3,UN2924,PG-III
 IMO / IMDG: Flammable liquids,corrosiven.o.s.
 (n-Butanol,Potassium Hydroxide),3,UN2924,PG-III
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: 132

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the
 reporting requirements of Section 313 of the Emergency Planning & Community
 Right-To-Know Act of 1986 & of 40 CFR 372. This information must be
 included in all MSDSs that are copied and distributed for this material.

COMPANY IDENTITY: PACKAGE SUPPLY CORP.
 PRODUCT IDENTITY: OX OIL
 NEW MSDS DATE: 08/06/2007

DATE: 08/06/07
 PAGE 7 OF 7

SECTION 15. REGULATORY INFORMATION (CONTINUED)

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ (LBS)
*n-Butanol	71-36-3	99 (311,312,313,RCRA)	5000
Potassium Hydroxide	1310-58-3	< 2 (302,313,RCRA)	1000

> 5050 LB / 2295 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF N-BUTANOL.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:
 Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 2, FLAMMABILITY: 3, REACTIVITY: 0
 This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process. Unless updated, this Material Safety Data Sheet is valid until 08/06/2010.