

# SAFETY DATA SHEET

Date Issued : 10/10/2014

SDS No : ONY

Onyx

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Onyx  
**GENERAL USE:** Floor finish remover  
**PRODUCT DESCRIPTION:** High Productivity Stripper  
**PRODUCT CODE:** ONY  
**CHEMICAL FAMILY:** Solvent/detergent Blend

### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605  
**Emergency Phone:** 610-926-4106  
**Customer Service:** 800-548-4568  
**Transportation:** 800-548-4568

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924  
**POISON CONTROL CENTER (Medical):** 800-222-1222

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### Health:

Eye Irritation, Category 2A  
Skin Irritation, Category 2  
Acute Toxicity (Oral), Category 4  
Acute Toxicity (Inhalation), Category 5

#### Physical:

Combustible Liquid, Category 4

### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

### HAZARD STATEMENTS

H319: Causes serious eye irritation.  
H315: Causes skin irritation.  
H302: Harmful if swallowed.  
H333: May be harmful if inhaled.  
H336: May cause drowsiness or dizziness.  
H227: Combustible liquid.

### PRECAUTIONARY STATEMENT(S)

#### Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P261: Avoid breathing fume, gas, mist, vapors, or spray.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273: Avoid release to the environment.  
P102: Keep out of reach of children.  
P264: Wash hands thoroughly after handling.

#### Response:

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310: Immediately call a POISON CENTER or doctor/physician.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P330: Rinse mouth.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362: Take off contaminated clothing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P310: Immediately call a POISON CENTER or doctor/physician.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Disposal:**

P501: Dispose of contents/container according to all local, state and Federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Clear Liquid

**IMMEDIATE CONCERNS:** Eye & Skin irritant

**POTENTIAL HEALTH EFFECTS**

**EYES:** Irritating, and may injure eye tissue if not removed promptly.

**SKIN:** Contact may cause moderate to severe irritation.

**SKIN ABSORPTION:** Harmful if absorbed through skin.

**INGESTION:** Harmful if swallowed.

**INHALATION:** High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches)

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** No listed substance

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** No listed substance

**ROUTES OF ENTRY:** Eye, skin, ingestion, Inhalation.

**TARGET ORGAN STATEMENT:** Blood, kidney, liver, Central nervous system

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Irritant

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Ethylene glycol butyl ether	30 - 40	111-76-2
Monoethanolamine	5 - 10	141-43-5
Nonylphenol Ethoxylate	0 - 5	9016-45-9
Fragrance	< 1	TS
Water	50 - 60	7732-18-5

**COMMENTS:** If CAS number is "TS", the specific chemical identity has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, tearing, redness, swelling.

**SKIN:** Burning sensation, redness.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE EFFECTS:** Severely irritating to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

**CHRONIC EFFECTS:** Not Established

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** IIIA (140-200F)

**GENERAL HAZARD:** Combustible Liquid

**EXTINGUISHING MEDIA:** Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Alkaline vapors.

**EXPLOSION HAZARDS:** Fire exposed containers may burst due to increased pressure from heat.

**FIRE FIGHTING PROCEDURES:** Use an extinguishing agent suitable for surrounding fire.

**FIRE FIGHTING EQUIPMENT:** No special requirements.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**RELEASE NOTES:** Eliminate all ignition sources. Ventilate area well.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container away from heat, spark or open flame.

**STORAGE TEMPERATURE:** (40°F) Minimum to (110°F) Maximum

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Ethylene glycol butyl ether	OSHA PEL	TWA	50	240
	ACGIH TLV	TWA	20	97
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Monoethanolamine	OSHA PEL	TWA	3	6
	ACGIH TLV	TWA	3	7.5
		STEL	6	15
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Solvent, characteristic

**ODOR THRESHOLD:** Not Established

**COLOR:** Water Clear

**pH:** 11.5 to 12.5

**PERCENT VOLATILE:** >90

**FLASH POINT AND METHOD:** 63°C (145°F) Tag Closed Cup (TCC)

**FLAMMABLE LIMITS:** 1.3 to 10.6

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** ~ 0.9 mm Hg at 20°C (68°F)

**VAPOR DENSITY:** > 1 Air = 1  
**BOILING POINT:** 212° F; 100° C  
**FREEZING POINT:** 32° F; 0° C  
**MELTING POINT:** Not Available  
**THERMAL DECOMPOSITION:** Not Available  
**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** (Water =1) <1.0  
**DENSITY:** 8.08 at 20°C (68°F)  
**SPECIFIC GRAVITY:** ~ 0.968 grams/ml.  
**VISCOSITY:** Water thin.  
**(VOC):** 44.32 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**STABILITY:** Stable under normal storage and use conditions.  
**CONDITIONS TO AVOID:** None known.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Ethylene glycol butyl ether	1300 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 3.1 mg/l
Monoethanolamine	1089 mg/kg (rat)	2504 mg/kg (rabbit)	~ 1.48 mg/l
Nonylphenol Ethoxylate	16000 mg/kg (rat)	4490 mg/kg (rabbit)	

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg guinea pig

**ORAL LD<sub>50</sub>:** ~ 1300 mg/kg Male and Female rats.

**INHALATION LC<sub>50</sub>:** > 3.1 mg/L (vapor) Guinea pig

**SKIN CORROSION/IRRITATION:** No data available. Contact Env. Dept.

**SERIOUS EYE DAMAGE/IRRITATION:** Irritant

**RESPIRATORY OR SKIN SENSITISATION:** No products were found.

**GERM CELL MUTAGENICITY:** No known significant effects or critical hazards.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Ethylene glycol butyl ether	No listed substance	Group 3 - Not classifiable as to its carcinogenicity to Humans	No listed substance

**IARC:** 3-Group 3: Not classifiable as to its carcinogenicity to humans.

**REPRODUCTIVE TOXICITY:** No known significant effects or critical hazards.

**STOT-SINGLE EXPOSURE:** May cause damage to blood, Kidney, liver with prolonged or repeated exposure to high concentrations of vapors.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** No known significant effects or critical hazards noted.

**AQUATIC TOXICITY (ACUTE):** No known significant effects or critical hazards.

**96-HOUR LC<sub>50</sub>:** Not Established

**96-HOUR EC<sub>50</sub>:** Not Established

**Notes:** Not Established

**CHEMICAL FATE INFORMATION:** This product is biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of ignitibility as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Small quantities (less than 1 gallon) of used material may be flushed to sanitary sewer with copious amounts of water. Larger quantities must be disposed of by a licensed disposal company.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** Ignitability, corrosive

**RCRA HAZARD CLASS:** Not yet Determined

#### 14. TRANSPORT INFORMATION

##### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Compound, Cleaning Liquid

**TECHNICAL NAME:** NA = Not Applicable

**PRIMARY HAZARD CLASS/DIVISION:** NA = Not Applicable

**PLACARDS:** NA = Not Applicable

**LABEL:** No special requirements.

**OTHER SHIPPING INFORMATION:** None

**SPECIAL SHIPPING NOTES:** None

##### AIR (ICAO/IATA)

**SHIPPING NAME:** Not Established

##### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Cleaning Compound, not regulated.

#### 15. REGULATORY INFORMATION

##### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Health - Acute

**313 REPORTABLE INGREDIENTS:** 2-butoxyethanol 111-76-2 (Category: N230 Certain Glycol Ethers)

##### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Ethylene glycol butyl ether	30 - 40	111-76-2

##### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** No listed substance

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

##### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Ethylene glycol butyl ether	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Monoethanolamine	Massachusetts Right to Know Substance New Jersey Right To Know Substance New York Right to Know Substance Pennsylvania Right to Know Substance
Nonylphenol Ethoxylate	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

**CALIFORNIA PROPOSITION 65:** No listed substance

**CARCINOGEN:** Contains an ingredient listed under IARC Group 3.

#### 16. OTHER INFORMATION

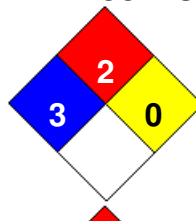
**PREPARED BY:** Regulatory Affairs Department

**Date Prepared:** 10/10/2014

##### HMIS RATING

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

##### NFPA CODES



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