

SAFETY DATA SHEET

OXYBRITE (PHOSPHATE FREE)

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME : OXYBRITE (PHOSPHATE FREE)
SYNOMYS : Product is a mixture: No synonyms are available.
PRODUCT USE : Mild Oxidizing Material
SUPPLIER : United Formulas
SUPPLIER'S ADDRESS : 601 6th St SW, Unit 5
Great Falls MT 59405, (406) 727-4144
EMERGENCY RESPONSE : Infotrac: 1-800-535-5053
PHONE NUMBER



SECTION 2 – HAZARD IDENTIFICATION

GHS U.S. CLASSIFICATION

OXIDIZING LIQUID	: H272	Cat 2	May intensify fire: Oxidizer
ACUTE TOXICITY	: H302	Cat 4	Harmful if swallowed.
SKIN IRRITATION	: H315	Cat 2	Causes skin irritation
EYE DAMAGE	: H318	Cat 1	Causes serious eye damage

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS**

The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS :



SIGNAL WORD : WARNING

HAZARD STATEMENTS (GHS-US) : H302 Harmful if swallowed.

: H315 Causes skin irritation.

: H318 Causes serious eye damage.

: H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS (GHS-US) : P101 If medical advice is needed, have product container or label at hand.

: P102 Keep out of reach of children.

: P103 Read label before use.

: P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P221 Take any precaution to avoid mixing with combustibles.

: P260 Do not breathe dust/fume/gas/mist/vapors/spray.

: P264 Wash skin and contaminated clothing thoroughly after handling.

: P270 Do not eat, drink, or smoke when using this product.

: P280 Wear suitable protective gloves / protective clothing / eye protection / face protection.

: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

: P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

: P332+P313 If skin irritation occurs: Get medical advice/attention.

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- P362 Take off contaminated clothing.
 : P405 Store locked up.
 : P501 Dispose of contents/container in accordance with local /regional / national / international regulations.

CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 1, Reactivity = 0

HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 1, Reactivity = 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

- CHEMICAL CHARACTERISTIC** : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Percarbonate	20-40	15630-89-4	239-707-6	Oxidizing Solid Cat 2, Skin Irritant Cat 4 Eye Damage Cat 1
Sodium Carbonate	40-60	497-19-8	207-838-8	Skin Irritant Cat 2, Eye Irritant Cat 2A
Alcohols Ethoxylated	5-10	68439-46-3	Not Found	Eye Irritant Cat 2B

Cat. = Category, STOT SE = Specific Target Organ Toxicity Single Exposure

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

- GENERAL** : Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible. In case of unconsciousness place patient stably in the side position for transportation.
- EYE CONTACT** : Immediately flush the eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediate call a POISON CENTER or doctor/physician.
- SKIN CONTACT** : Immediately remove contaminated clothing and shoes. Wash affected skin area with soap and large quantities of running water until no evidence of chemical remains. Delayed skin damage is possible if the product is not completely washed off. If irritation, pain and or redness persists, get medical attention.
- SWALLOWING (INGESTION)** : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep the airway clear. Give more water when vomiting stops. If the victim is unconscious, loosen tight clothing and lay victim(s) on side. Never give anything by mouth to an unconscious person. Get immediate medical attention.
- INHALATION** : Remove victim(s) from exposure and into fresh air. If respiratory symptoms persist, get medical attention.
- OTHER INSTRUCTIONS** : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively. Remove and isolate contaminated clothing and shoes. Contaminated clothing may be a fire risk.

SECTION 5 – FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA

: Water spray, fog, carbon dioxide. Carbon dioxide may provide limited control. Dry chemical or foams are not recommended.

SPECIAL HAZARDS (FIRE)

: Not flammable. This product is an oxidizer which may intensify a fire.

EXPLOSION HAZARDS

: Product is not explosive.

REACTIVITY (FIRE)

: Thermal decomposition products: Fire may produce irritating, corrosive and/or toxic gases. Decomposition releases oxygen and heat which can support combustion and cause pressure build-up in confined spaces or containers. Decomposition in the presence of organic materials can be highly exothermic and may cause combustion. These substances will accelerate burning when involved in a fire. May be corrosive to metals.

SPECIAL INSTRUCTIONS TO FIRE FIGHTERS**PRECAUTIONARY MEASURES**

: Exercise caution when fighting any chemical fire.

FIREFIGHTING INSTRUCTIONS

: Use water spray or fog for cooling exposed containers.

PROTECTION DURING

: Do not enter fire area without proper protective equipment, including respiratory protection.

FIREFIGHTING

: Potassium oxides. May liberate toxic gases. Sodium oxides. Phosphorous oxides. Nitrogen oxides. Carbon oxides (CO, CO₂). Explosive Hydrogen gas.

HAZARDOUS COMBUSTION

: Products

OTHER INFORMATION (FIRE)

: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

: Do not allow products to spread into the environment. Do NOT breathe vapors, mist, or spray. Avoid all contact with skin, eyes, or clothing. Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel. Ventilate area.

ENVIRONMENTAL PRECAUTIONS

: Keep spilled material away from sewage/drainage systems and waterways. This product contains a U.S. EPA Reportable Quantity (RQ) substance. If amounts exceeding the Reportable Quantity are released, notification of the National Response Center (800) 424-8802 is required. See section 15 for more information.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

: **Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill, or leak area in all directions.

Cleaning Up: Clear up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage. Contact competent authorities after a spill.

SECTION 7 – HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink, or smoke when using this product. Wash hands and forearms thoroughly after handling.

CONDITIONS FOR SAFE STORAGE

: Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Keep/store away from extremely high or low temperatures, direct sunlight, heat, and incompatible materials (Strong acid, Strong oxidizers).

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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TLV (THRESHOLD LIMIT VALUE)

: The TLV in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Sodium Percarbonate	5mg/m ³	10mg/m ³	Not Established
Sodium Carbonate	Not Established	Not Established	Not Established
Alcohols Ethoxylated	Not Established	Not Established	Not Established

EYE PROTECTION

: Wear chemical splash goggles or face shield.

SKIN PROTECTION

: Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.

RESPIRATORY PROTECTION

: In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

VENTILATION

: Ensure adequate ventilation.

ADDITIONAL MEASURES

: Emergency eyewash and safety shower facilities should be available in the immediate work area.

REQUIRED WORK/HYGIENE

: Wash hands thoroughly after handling. Keep away from all food stuff, beverages, and feed. Do not eat, drink, or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

: White free flowing powder.

ODOR

: Mild odor

ODOR THRESHOLD

: Not available

PH

: 10. ± 11 as is

MELTING POINT/FREEZING

: Not available

POINT

: Not available

BOILING POINT

: Not applicable

FLASHPOINT

: Not available

EVAPORATION RATE

: Not available

FLAMMABILITY

: Nonflammable, Noncombustible

LOWER FLAMMABILITY LIMIT

: Not applicable

UPPER FLAMMABILITY LIMIT

: Not applicable

VAPOR PRESSURE

: Not available

VAPOR DENSITY (AIR=1)

: Not available

RELATIVE DENSITY

: > 1

SOLUBILITY IN WATER

: Soluble in water

PARTITION COEFFICIENT n-

: Not available

OCTANOL/WATER

: Not available

AUTOIGNITION TEMPERATURE

: Not available

DECOMPOSITION

: Not available

TEMPERATURE**SECTION 10 – STABILITY AND REACTIVITY****REACTIVITY**

: Sodium Percarbonate rapidly decomposes in water to hydrogen peroxide and sodium carbonate.

STABILITY

: Stable under normal recommended storage conditions.

HAZARDOUS CONDITIONS TO

: Avoid incompatible materials, heat, sparks, and flames. Avoid sunlight.

AVOID**INCOMPATIBLE MATERIALS**

: Acids, bases, salts of heavy metals, reducing agents, organic materials, and flammable substances.

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**HAZARDOUS DECOMPOSITION
PRODUCTS**

: Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with temperature increases and may be very vigorous with rapid generation of oxygen and steam.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
ACUTE TOXICITY
CHRONIC EFFECTS ON HUMANS
OTHER TOXIC EFFECTS ON
HUMANS
**SPECIAL REMARKS ON OTHER
TOXIC EFFECTS ON HUMANS**
TOXICOLOGICAL INFORMATION
ACUTE TOXICITY
SKIN CORROSION/IRRITATION
SERIOUS EYE
DAMAGE/IRRITATION
TOXICOLOGICAL INFORMATION
ACUTE TOXICITY
INHALATION LC50
DERMAL LD50
PRIMARY SKIN IRRITATION
PRIMARY EYE IRRITATION

: Sodium Percarbonate

: Acute oral toxicity (LD50): 2200 mg/kg [Mouse].

: No data available

: Very hazardous in case of skin contact (irritant). Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer).

: Material is irritating to mucous membranes and upper respiratory tract.

: Sodium Carbonate

: Not Classified. LD50 values: Oral LD50: 4090mg/kg (rat).

: Causes skin irritation.

: Causes serious eye irritation.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION
ECOTOXICITY
BOD5 AND COD
PRODUCTS OF
BIODEGRADATION
TOXICITY OF THE PRODUCTS OF
BIODEGRADATION
SPECIAL REMARKS ON THE
PRODUCTS OF
BIODEGRADATION

: Sodium Percarbonate

: Not available.

: Not available.

: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

: The products of degradation are more toxic.

ECOLOGICAL INFORMATION
ECOTOXICITY
PERSISTENCE and
DEGRADABILITY
BIOACCUMULATIVE POTENTIAL

: Sodium Carbonate

: LC50 Fishes 1: 300mg/L, EC Daphnia: 265mg/L, LC50 Fishes 2: 740mg/L.

: No data available.

: No data available.

ECOLOGICAL INFORMATION
ECOTOXICITY
PERSISTENCE and
DEGRADABILITY
BIOACCUMULATIVE POTENTIAL

: Alcohols Ethoxylated

: LC50 Rainbow Trout: 1-10 mg/l, 96hr. Value estimated from tests on similar products.

: LC50 Fathead Minnow: 6 mg/l, 96hr. Value estimated from tests on similar products.

BIODEGRADABILITY
PERSISTENCE AND
DEGRADABILITY

: Readily biodegradable.

: No data available.

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BIOACCUMULATIVE POTENTIAL : No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL : This product must be disposed of in accordance with Federal, state, and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME	: N/A
HAZARD CLASS AND LABEL	: N/A
UN NUMBER	: N/A
PACKAGING GROUP	: N/A
EPA REPORTABLE QUANTITY (RQ)	: N/A
MARINE POLLUTANT	: Not Listed.
EMERGENCY RESPONSE GUIDE	: N/A

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN	: Not listed
TSC STATUS	: The ingredients of this product are listed on TSCA (Toxic Substances Control Act) inventory (40CFR 710.)
SARA SECTION 302	: None
SARA SECTION 311/312	: Immediate (acute) health hazard. Reactive hazard. (Sodium Percarbonate)
HAZARD CLASS	
SARA SECTION 313	: None
NFPA HEALTH	: 2
NFPA FLAMMABILITY	: 0
NFPA REACTIVITY	: 1

CANADIAN REGULATORY INFORMATION

WHMIS CATEGORY : Class D2B: Materials that cause other toxic effects (TOXIC).
Sodium Percarbonate



DOMESTIC SUBSTANCES LIST (DSL)	: Listed
INGREDIENT DISCLOSURE LIST	: Listed, this product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16 – OTHER INFORMATION

DISCLAIMER : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information.

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or to the product to which it relates. United Formulas assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

CERCLA	:	Comprehensive Environmental Response, Compensation, and Liability Act.
EINECS	:	European Inventory of Existing Commercial Chemical Substances
IMDG	:	International Maritime Code for Dangerous Goods
IARC	:	International Agency for Research on Cancer
IATA	:	International Air Transportation Association
ACGIH	:	American Conference of Governmental Industrial Hygienists
NFPA	:	National Fire Protection Association (USA)
NTP	:	National Toxicology Program
SARA	:	Superfund Amendments and Reauthorization Act
TSCA	:	Toxic Substances Control Act
HMIS	:	Hazardous Materials Identification System (USA)
WHMIS	:	Workplace Hazardous Materials Information System
LC50	:	Lethal concentration, 50 percent
LD50	:	Lethal dose, 50 percent
STOT	:	Systemic Target Organ Toxicity
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