

MSDS

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)

HMS CODES: H-2 F-0 R-1

NFPA RATING: H-2 F-0 R-1

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

PRODUCT NAME 0-2 POWER		PRODUCT TYPE: Oxygenated Cleaner DOT CLASS 5.1 Oxidizer
MANUFACTURED FOR: DYNACCO, INC. PO BOX 27 17461 - 147 TH ST. S.E. MONROE, WA 98272	INFORMATION PHONE: 360-794-8974	
	24-HOUR EMERGENCY: CHEM-TEL (800) 255-3924	
	DATE PREPARED: MARCH 1, 2002	
	DATE REVISED: MARCH 1, 2004	

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	ACGIH/TLV	STEL/PEL
Sodium percarbonate	60 - 80	15630-89-4	NOT EST.	NOT EST.
Sodium carbonate	20 - 30	497-19-8	NOT EST.	NOT EST.

SECTION III - PHYSICAL DATA

APPEARANCE:..... White free flowing powder with mild to no odor. **BOILING POINT:** 212° F.
VAPOR PRESSURE: NOT EST. **VAPOR DENSITY (AIR=1):** NOT EST.
SPECIFIC GRAVITY: > 1.0 **pH:** 11.3 - 11.9 (1% solution)
SOLUBILITY IN WATER:..... Soluble in water.

SECTION IV - FIRE AND EXPLOSION DATA

FLASHPOINT:..... N/D **LOWER EXPLOSIVE LIMIT:** N/A
UPPER EXPLOSIVE LIMIT: N/A
EXTINGUISHING MEDIA:..... Use extinguishing media appropriate to primary cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES: Avoid contact with fire fighting personnel as burns may result from contact with skin. When fighting a fire near or involving this product, wear a self-contained breathing apparatus (SCBA).
UNUSUAL FIRE AND EXPLOSION HAZARDS: WEAK OXIDANT: May generate oxygen which can enhance an existing fire.

SECTION V - REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Avoid excessive heat, acids, bases, heavy metal salts, reducing agents, organic materials and flammable substances.
HAZARDOUS DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition and oxygen.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH DATA

THRESHOLD LIMIT VALUE:..... The TLV in section II is the ACGIH/TLV-TWA and OSHA/PEL, (the time weighted average concentration for an eight hour work day.) The STEL is the (short term exposure limit.) (Ceil) is the ceiling limit.
OSHA PEL: Since this product is a mixture, there is no defined PEL(s) established by OSHA. Hazardous components are listed in the Hazardous Ingredients Section of this data sheet.
LISTED CARCINOGEN: This product does not contain any components listed by NTP, IARC, or OSHA as carcinogens at the OSHA reportable levels.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:..... Existing skin and/or respiratory disorders may be aggravated by exposure.
EYES: May cause severe eye irritation with possible permanent eye damage and impairment of vision.
SKIN (DERMAL): Skin contact may cause irritation while prolonged exposure may cause chemical burns.
INGESTION: May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.
INHALATION: Vapors and mist may cause respiratory tract irritation.
CHRONIC OVEREXPOSURE: None known

SECTION VII FIRST AID

EYES: In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.
SKIN (DERMAL): Immediately flush skin with plenty of water until no product residue remains. Wash contaminated clothing before reuse.
INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk.) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:..... Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen as directed by medical personnel.

SECTION VIII EMPLOYEE PROTECTION

EYE PROTECTION:..... Chemical safety splash goggles and full face shield (8" min.) to protect against splashing in compliance with OSHA regulations are advised. OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist) Contact lenses should not be worn when working with any chemicals.

RESPIRATORY PROTECTION: Respiratory protection should be worn if levels exceed defined PEL(s) for this product or any hazardous component listed in the Hazardous Ingredient Section of this DATA SHEET.

PROTECTIVE CLOTHING:..... Impervious protective clothing and chemical resistant safety shoes should be worn to minimize contact. Emergency shower and eyewash facility should be in close proximity. (ANSI Z358.1)

VENTILATION:..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

SECTION IX - SPILL AND DISPOSAL DATA

SPILL: Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain the spill. Dilute with large quantities of water and neutralize with dilute acids such as acetic or phosphoric acid. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

WASTE DISPOSAL: Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

SECTION X - TRANSPORTATION DATA

HAZARD CLASS AND LABEL: 5.1 (OXIDIZER)

PROPER SHIPPING NAME:..... OXIDIZING SOLID, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE) 5.1 UN-1479 PG – III

UN NUMBER:..... UN-1479

PACKAGING GROUP:..... PG – III

REPORTABLE QUANTITY:..... 100 lbs. as Sodium carbonate peroxyhydrate

SECTION XI - OTHER REGULATORY INFORMATION

TSCA STATUS:..... All components in this product are listed on the TSCA inventory.

SARA SECTION 313:..... This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372).

NFPA HEALTH: 2

NFPA FLAMMABILITY: 0

NFPA REACTIVITY:..... 1

NFPA OTHER: N/A

SECTION XII - PRECAUTIONARY LABEL STATEMENTS

HANDLING:..... Read all label directions and cautions before using. Since empty containers may contain product residue, observe label precautions for empty drums as well. Mix this product only with water as directed on the label. Mixing with other chemicals may produce hazardous gases or violent reactions! Consult MSDS for additional information before using this product.

SECTION XIII - ADDITIONAL INFORMATION

FOOTNOTES: NOT EST. = Not established, N/A = Not applicable

REFERENCES: 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 or to the product to which it relates. DYNACCO INC. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. 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.