

**SAFETY DATA SHEET**  
**DIPEX® Extractant SDS**

Revision Date: 01-Feb-18

**Section 1: Chemical Product and Company Identification**

**Product Name** DIPEX® Extractant  
**Product Number(s):** AC-SX-B01, DIPEX  
**Product Synonym(s):** Di-octyl-methylene-bis-phosphonic acid  
**Identified Uses:** Laboratory chemicals, manufacture of substances

**Manufacturer:** Eichrom Technologies LLC                      **General Information:** (8-5 CST M-F)  
1955 University Lane    800-422-6693 (in USA)  
Lisle, Illinois 60532    630-963-0320

**24 Hour Emergency Number (US/Canada):** 1-800-255-3924    **CHEMTEL Contract #:** MIS9554039  
**24 Hour International Access Number:** 1-813-248-0585

**Country Specific Emergency Numbers:**

Australia: 1-300-954-583    India: 000-800-100-4086  
Brazil: 0-800-591-6042     Mexico: 1-800-99-731

**Section 2: Hazard(s) Identification**

**2.1 Classification of the substance or mixture**

GHS Classification of substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)  
Skin Irritant and Eye Irritant

**2.2 GHS Label elements, including precautionary statements**

Pictogram:



Signal Word                      Warning

Hazard Statement(s):

H315+H319                      Causes skin irritation and serious eye irritation

Precautionary Statement(s):

Prevention	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves, clothing, and eye protection.
Response	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, seek medical attention.
	P337+P313	If eye irritation persists, get medical attention.
	P362+P364	Take off contaminated clothing and wash before reuse.
Storage		
Disposal		

**2.3 Hazards Not Otherwise Classified (HNOC) or not covered by GHS:**

**Section 3: Composition / Information on Ingredients**

Component	CAS_Number	Percentage Range
Di-octyl-methylene-bis-phosphonic acid	180572-58-1	100%

**Section 4: First-aid Measures**

General Advice	The hazardous properties of this material have not been established. Treat material as if it were toxic when evaluating first aid requirements.
Ingestion	Rinse mouth and call a POISON CONTROL CENTER or doctor if you feel unwell.
Skin Contact	Wash immediately with soap and copious amounts of water. Remove and wash contaminated clothing promptly. If irritation develops, seek medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation	Remove to fresh air. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Seek medical attention.
Most important symptoms and effects, both acute and delayed	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**Section 5: Firefighting Measures**

Extinguishing Media	Foam, CO2, Dry Chemical
Fire and Explosion Hazards	Highly toxic and irritating fumes may be released and extinguishing water runoff may be toxic.
Protective Equipment	Wear positive pressure self-contained breathing apparatus and full personal protective equipment.
Special Hazards	Possible combustion products include phosphorous oxides, phosphoric acid, carbon dioxide, and carbon monoxide, in addition to unidentified organic compounds.

**Section 6: Accidental Release Measures**

Personal Precautions	Use proper personal protect equipment (specified in section 8)
Methods and materials for containment and clean-up	Ventilate area and wash spill site after material pickup is complete. Scrape up material and transfer to a closed, dry container for disposal.
Reference to other sections	For disposal see section 13.

**Section 7: Handling and Storage**

Conditions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Conditions for safe storage	Normal warehouse storage in cool, dry area is satisfactory. Keep away from strong oxidizers.

**Section 8: Exposure Controls / Personal Protection**

Control Parameters	Contains no substances with occupational exposure limit values.
Exposure Controls	Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Mechanical exhaust is required.
Eye protection	Wear safety glasses.
Skin Protection	Wear impervious gloves and clean body-covering clothing.
Respiratory protection	Use NIOSH/MSHA approved respirator when handling material outside of mechanical exhaust. An air-purifying respirator with an organic vapor cartridge or canister may be permissible.

**Section 9: Physical Properties**

Information on basic physical and chemical properties

Appearance:	Liquid Yellow	Explosion Limits (Upper/Lower):	Not Established
Odor:	low to none	Flash Point:	Not established
Odor Threshold:	Not Established	Flammability:	Not Established
pH:	Not established	AutoIgnition Temperature:	Not Established
Melting Point:	Not established	Decomposition Temperature	Not Established
Boiling Point:	Not established	VaporPressure:	Not Established
Relative Density:	Not Established	VaporDensity:	Not Established
Solubility:	Practically Insoluble in Water	Evaporation Rate:	Not Established
Partition Coefficient:	Not Established		
Viscosity:	Viscous; no data available		

**Section 10: Stability and Reactivity**

Reactivity	No hazardous reactions if stored and handled as indicated.
Chemical Stability	Stable under normal handling and storage conditions.
Hazardous reactions	Reacts with strong oxidizing agents. Toxic fumes may be released if heated above the decomposition point. No hazardous reactions are expected in normal laboratory use. Hazardous polymerization will not occur.
Conditions to Avoid	No relevant information available.
Hazardous decomposition Products	Possible combustion products include phosphorous oxides, phosphoric acid, carbon dioxide, and carbon monoxide; additional unidentified organic compounds may also be produced.

**Section 11: Toxicology Information**

	The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.
Acute Toxicity	
Oral Effects	Oral LD50 has not been determined. Acute toxicity via the oral route of administration expected to be low.
Inhalation Effects	No data available for acute inhalation effects. Acute toxicity via the inhalation route of administration expected to be low.
Dermal Effects	Dermal LD50 has not been determined.
Skin corrosion/irritation	Non-corrosive to skin via Corrositex® (skin) test.
Serious eye damage/irritation	No test data available regarding eye irritation. Slight irritation expected.
Respiratory or skin sensitization	No data available regarding respiratory sensitization effects of this product.
Germ Cell Mutagenicity	No data available regarding mutagenic effects of this product.
Carcinogenicity	No data available regarding carcinogenic effects of this product.
Reproductive Toxicity	No data available regarding reproductive effects of this product.
Specific Target Organ Toxicity	
Single Exposure	No data available regarding specific target organ toxicity single exposure.
Repeated Exposure	No data available regarding specific target organ toxicity repeated exposure.
Aspiration Hazard	No data available regarding the aspiration hazard of this product.

**Section 12: Ecological Information**

	*The product has not been tested. The statement has been derived from the properties of individual components using an additivity method.
Aquatic Toxicity	No data are available on the adverse effects of this material on the environment.
Persistence and degradability	No data are available for persistence and degradability.
Bioaccumulative potential	No data are available for bioaccumulative potential.
Mobility in Soil	No data are available for mobility in soil.
PBT/vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13: Disposal Considerations**

General	Dispose of contents/container in accordance with federal, state, and local regulations.
Unused:	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Used:	For material contaminated with hazardous materials, dispose of mixture as hazardous material according to local, state, and federal regulations.

**Section 14: Transport Information**

Air Transport:	Not Hazardous per IATA 2014
Ground Transport:	Not D.O.T. Hazardous
Water Transport:	Not Hazardous per IMDG 2012.

**Section 15: Regulatory Information**

US Federal Regulations	Toxic Substances Control Act (TSCA): This material is provided to you under the research and development (R&D) exemption.
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**Section 16: Other Information**

Revision	Updated to GHS SDS format, including classification 1-Feb-2018: Update Emergency Phone Numbers
SDS Prepared By:	Eichrom Technologies LLC

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