

# MATERIAL SAFETY DATA SHEET

## Curtis/GlenChem Corp.

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 19022-1513

Product: **ACIPHOS 50**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: G5550 - Rev 1.7 Date: 10/07  
Replaces - Rev 1.6 02/07  
Reason: Hazard Class Removed

### -- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:.....	ACIPHOS 50	HMIS	
Chemical Name/Synonym:.....	PROPRIETARY BLEND	<u>Hazard Rating:</u>	<u>Legend:</u>
Chemical Family:.....	COMPOUND	Health:.....	2 0 - Least
Formula:.....	PROPRIETARY	Fire:.....	1 1 - Slight
Product Code:.....	G5550	Reactivity:.....	0 2 - Moderate
			3 - High
			4 - Extreme

Product Description: Mildly acidic, water-based lubricant, coupling agent and burnishing compound additive

### -- SECTION 02 - PHYSICAL DATA --

Boiling Point:.....	> 212°F.	Solubility in Water:.....	Infinite
Vapor Pressure:.....	< 1 (mmHg)	Specific Gravity:.....	1.1 (H <sub>2</sub> O=1)
Vapor Density:.....	N/A (AIR=1)	% Volatile by Volume:.....	Zero
Appearance:.....	Hazy, light amber liquid	Odor:.....	Slight
pH:.....	2.0-2.5 ± 0.5 , as received		

### -- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
*POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-PHENYL-.OMEGA.-HYDROXY-, PHOSPHATE	39464-70-5	< 50	35 ppm (STEL)	25 ppm (TWA) 35 ppm (STEL)
PHOSPHORIC ACID	7664-38-2	< 1	1 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> (STEL)	1 mg/m <sup>3</sup>
**DIOXANE	123-91-1	< 0.0355		
**ETHYLENE OXIDE	75-21-8	< 0.0002		
Inert and/or non-hazardous components	-----	-50	-----	-----

\*Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

\*\* Hazardous in quantity according to OSHA Hazard Communication Standard, but present only as trace elements in this product, therefore, in quantities below reporting standards and are listed here only for purposes of complete disclosure. The finished product itself is not considered hazardous by OSHA standards and these trace elements are in quantities well below normally accepted exposure limits.

### -- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point (Closed Cup):..... 149°C (300°F) - Product may burn in extreme heat conditions, such as in an existing fire.  
Extinguishing Media:..... Small Fire: CO<sub>2</sub>, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures:..... Use NIOSH/MSHA approved self-contained breathing apparatus; water may be used to cool adjacent containers.  
Flammability Class:..... Will burn  
Flammability Limits:..... Lower: No Data Upper: No Data

- Continued on following page -

**-- SECTION 05 - REACTIVITY DATA --**

Stability: ..... Stable.  
Incompatibility: ..... Strong oxidizers.  
Hazardous Decomposition Products: ..... Oxides of carbon and phosphorous.  
Hazardous Polymerization: ..... Will not occur.

**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT:..... Acute Eye: Severe irritant, causes redness, irritation and tearing.  
SKIN CONTACT: ..... Acute Skin: Moderate irritant. May cause redness, inflammation, and swelling.  
INHALATION:..... Acute Inhalation: Harmful if inhaled. Mists may cause upper respiratory tract irritation.  
INGESTION:..... Acute Ingestion: Practically non-toxic, but may be harmful if swallowed under other physical conditions.  
EFFECTS OF OVEREXPOSURE:..... No chronic effects expected. This product does not contain any ingredient designated by IARD, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials) holding eyelids apart. Seek medical attention if irritation persists.  
SKIN:..... Flush with water; wash with soap and water after handling. Contact may aggravate existing dermatitis.  
INHALATION:..... Not expected route of exposure, but if required, remove to fresh air and seek medical attention of irritation or distress continues.  
INGESTION: ..... Administer several glasses of water to drink. Seek medical attention. Never give anything by mouth to an unconscious person.

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION:..... None normally required; product normally does not produce vapors, but avoid breathing vapors or mists.  
RESPIRATORY PROTECTION:..... None normally required; NIOSH approved respirator for mist conditions.  
PROTECTIVE CLOTHING:..... Chemical resistant gloves when mixing or handling, and gear sufficient to prevent personal contact.  
EYE PROTECTION:..... Tight fitting or chemical workers goggles to guard against splash hazard.  
STORAGE:..... Store tightly closed in cool, dry location (39-120°F) away from sources of ignition, strong bases and/or oxidizers.

**-- SECTION 10 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or allow contact with skin. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers.

D.O.T.: Shipping Information: Shipping Name: UNREGULATED – Slightly Acidic Cleaning Liquid

Empty Containers: Do not re-use empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for a reconditioner, empty each drum as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations do not permit transport of open or partially filled containers.

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for un-neutralized ammonium hydroxide): A) Sections 311/312 - Listed: Acute; B) Section 313 - Not Listed

CERCLA Information: *Listed* in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs. in 24 hours (which translates to approximately 10 drums of AC-67 spilled to require reporting).

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA = Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.  
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