

ZACLON LLC **MATERIAL SAFETY DATA SHEET**

IDENTIFICATION

NAME Zaclean Concentrate
CHEMICAL FAMILY Alkaline Cleaner Enhancer
CAS NAME Proprietary Mixture
CAS REGISTRY NO. Mixture

MANUFACTURER/DISTRIBUTOR Zaclon LLC
TRANSPORTATION EMERGENCY PHONE CHEMTREC (800) 424-9300

ADDRESS 2981 Independence Road
Cleveland, Ohio 44115
PRODUCT INFORMATION PHONE (800) 356-7327

PHYSICAL DATA

BOILING POINT

100 degrees C

MELTING POINT

Not Established

SPECIFIC GRAVITY

1.2

VAPOR PRESSURE

Not Established

VAPOR DENSITY

> 1

SOLUBILITY IN H₂O

Complete

pH INFORMATION

12.0

EVAPORATION RATE (BUTYL ACETATE=1)

Not Established

FORM

Solution

APPEARANCE

Clear Solution

COLOR

Blue

ODOR

Citrus

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

HAZARDOUS COMPONENTS

<u>MATERIAL(S)</u>	<u>APPROXIMATE %</u>	<u>CAS #</u>
Phosphate Ester Potassium Salt	14 to 18	Mixture
Phosphoric Acid, Trisodium Salt	8 to 12	7601-54-9
Di Phosphoric Acid, Tetrapotassium Salt	4 to 6	7320-34-5
Nonylphenol Polyethylene Glycol Ether	4 to 6	26027-38-3

NONHAZARDOUS COMPONENTS

Water	60 to 70	7732-18-5
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HAZARDOUS REACTIVITY**INSTABILITY** Stable**INCOMPATIBILITY** None established.**DECOMPOSITION** None established.**POLYMERIZATION** Will not occur.**FIRE AND EXPLOSION DATA****FLASH POINT** > 212 °F**FLAMMABLE LIMITS IN AIR % BY VOL.****LOWER** Not applicable.**UPPER** Not applicable.**AUTOIGNITION TEMPERATURE**

Not available.

FIRE AND EXPLOSION HAZARDS AUTODECOMPOSITION TEMPERATURE

None established.

Not available.

EXTINGUISHING MEDIA As appropriate for combustibles in area.**SPECIAL FIRE FIGHTING INSTRUCTIONS** None.**HEALTH HAZARD INFORMATION****PRINCIPAL HEALTH HAZARDS** (Including Significant Routes, Effects, Symptoms of Over-Exposure, and Medical Conditions Aggravated by Exposure)

May cause irritation of skin and eyes. By ingestion, may cause irritation of the gastrointestinal tract. Human health effects of overexposure may include eye irritation with discomfort and blurring of vision, skin irritation or rash. Ingestion may cause irritation of the mucous membranes of the mouth and esophagus.

CARCINOGENICITY

No ingredient listed as a carcinogen by IARC, NIP, OSHA, or ACGIH.

EXPOSURE LIMITS

Exposure limits have not been established by OSHA or ACGIH.

SARA TITLE III HAZARD CATEGORIES LISTS

Product Hazard Category:		Lists:	
Acute	Yes	Extremely Hazardous Substance	No
Chronic	No	Cercla Hazardous Substance	No
Fire	No	Toxic Chemical	No
Reactivity	No		
Pressure	No		

SAFETY PRECAUTIONS

Do not get in eyes, on skin or clothing. Avoid breathing fumes, dust or mist. Do not ingest. Wash thoroughly after handling.

FIRST AID

In case of contact: Flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard shoes.

If inhaled: Remove to fresh air immediately. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

If swallowed: Do not induce vomiting. Give large quantities of water. Call a physician. Never give anything by mouth to an unconscious person.

WARNING

This product contains a trace amount of a substance, ethylene oxide, known by the State of California to cause cancer or is a reproductive hazard.

PROTECTION INFORMATION**GENERALLY APPLICABLE CONTROL MEASURES**

Good general ventilation should be provided to keep fume concentrations low.

PERSONAL PROTECTIVE EQUIPMENT

Have available and wear as appropriate to prevent any possibility of eye contact or reasonable possibility of skin contact: safety glasses with side shields or chemical splash goggles, impervious gloves, long sleeve shirt and pants. If considerable contact is likely, wear impervious rubber clothing. If needed, wear OSHA approved respiratory protection.

DISPOSAL INFORMATION**SPILL, LEAK OR RELEASE**

Isolate spill area. Floor may become slippery, use care to avoid falls. Wear eye protection and impervious gloves, absorb with inert material, scoop up solid and dispose. Place spillage in a plastic lined container. Comply with State and local regulations on reporting releases.

WASTE DISPOSAL

Comply with Federal, State, and local regulations. If approved, may be flushed to chemical sewer or transferred to a licensed disposal contractor.

SHIPPING INFORMATION**DOT (172.101)****PROPER SHIPPING NAME**

Not regulated as a
hazardous material.

HAZARD CLASS

Not regulated.

DOT/IMO (172.102)**PROPER SHIPPING NAME**

Not regulated as a
hazardous material.

HAZARD CLASS

Not regulated.

OTHER INFORMATION

SHIPPING CONTAINERS Available in 550 pound, 55 gallon polyethylene drums and 55 pound, 5.5 gallon pails.

SHIPPING CONDITIONS Store in tightly closed containers out of sun and away from heat. Keep plugs closed to prevent leakage. Do not freeze. Keep in a dry place. Never use pressure to empty drums.

NPCA-HMIS RATINGS

Health	2
Flammability	1
Reactivity	0
Personal Protection	--

Personal Protection rating to be supplied by the user depending on use conditions.

ADDITIONAL INFORMATION AND REFERENCES

For further information see Zaclon "Zaclean Concentrate" Data Sheet.

DATE OF LATEST REVISION/REVIEW: May 2008

PERSON RESPONSIBLE FOR MSDS:

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