

ZACLON LLC MATERIAL SAFETY DATA SHEET

IDENTIFICATION

NAME Zaclon WRP® White Rust Inhibitor

GRADE
Technical

CHEMICAL FAMILY
Silicate

CAS NAME
Silicic Acid, Potassium Salt
(Water Solution)

CAS REGISTRY
1312-76-1

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, 760 MM Hg
100 C (212 F)

MELTING POINT
0 C (32 F)

SPECIFIC GRAVITY
1.26 to 1.39

VAPOR PRESSURE
Vapor is water

VAPOR DENSITY
Not volatile

SOLUBILITY IN H₂O 29-39%
Complete

pH INFORMATION
11 to 12

**EVAPORATION RATE
(BUTYL ACETATE=1)**
< 1

FORM
Liquid

APPEARANCE
Hazy to clear

COLOR
Blue tint

ODOR
Odorless

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.

COMPONENTS

<u>MATERIAL(S)</u>	<u>APPROXIMATE %</u>
Potassium oxide as K ₂ O	12%
SiO ₂	25%
Water	62%

HAZARDOUS REACTIVITY

INSTABILITY

Stable

INCOMPATIBILITY

None known.

DECOMPOSITION

Will not occur.

POLYMERIZATION

Will not occur.

FIRE AND EXPLOSION DATA

FLASH POINT Will not burn. **FLAMMABLE LIMITS IN AIR % BY VOL.**

LOWER Not applicable.

AUTOIGNITION TEMPERATURE

Not applicable.

UPPER Not applicable.

FIRE AND EXPLOSION HAZARDS AUTODECOMPOSITION TEMPERATURE

None.

Not applicable.

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) Solution containing potassium silicate are severe eye irritants, and prolonged or repeated contact may cause skin irritation.

CARCINOGENICITY

Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

EXPOSURE LIMITS [PEL (OSHA), TLV (ACGIH), ETC.]

No exposure limits have been established by OSHA or ACGIH.

SAFETY PRECAUTIONS

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

FIRST AID

In case of contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. Remove contaminated clothing and wash before reuse and discard shoes.

If swallowed: Do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Call a physician. Never give anything by mouth to an unconscious person.

NOTE: To prepare activated charcoal slurry, suspend 50 gm of activated charcoal in 400 mL of water in a bottle and shake well.

PROTECTION INFORMATION

GENERALLY APPLICABLE CONTROL MEASURES

Good general ventilation should be provided. Avoid floor spills - see Spill, Leak, or Release below.

PERSONAL PROTECTIVE EQUIPMENT

Coverall, chemical splash goggles and rubber gloves.

DISPOSAL INFORMATION

SPILL, LEAK OR RELEASE

Spill area will be slippery; use care to avoid falling. Flush spill area with plenty of water.

WASTE DISPOSAL

Comply with Federal, State, and local regulations. If approved, may be flushed to sewer to waste treatment area.

SHIPPING INFORMATION

DOT/IMO

PROPER SHIPPING NAME Not regulated as a hazardous material.

HAZARD CLASS Not regulated.

OTHER INFORMATION

SHIPPING CONTAINERS 55 gallon PE drums; tank cars; tank trucks.

STORAGE CONDITIONS Store in a cool place. Keep drums tightly closed to avoid evaporation.

NPCA-HMIS RATINGS

Health		2
Flammability	0	
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 "WRP®" Data Sheet.

DATE OF LATEST REVISION/REVIEW: May 2008

PERSON RESPONSIBLE FOR MSDS: J.L. Curry
Zaclon LLC
2981 Independence Road
Cleveland, Ohio 44115
800-356-7327
216-271-1601