

# MATERIAL SAFETY DATA SHEET

SPINDLE SLICK

MSDS DATE: 9/26/2008

SUPERSEDES: NONE

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** SPINDLE SLICK

**DISTRIBUTOR:** TRICARD CHEMICAL COMPANY  
**ADDRESS:** P.O. BOX 4528, MACON, GEORGIA 31213

CARDINAL CHEMICALS, INC.  
P.O. Box 368, KINSTON, NC 28502

**CHEMTREC PHONE:** US: 1-800-424-9300 International: 1-202-483-7616

**CHEMICAL NAME:** Proprietary mixture  
**CHEMICAL FAMILY:** Emulsifier mixture  
**CHEMICAL FORMULA:** Mixture

**PRODUCT USE:** Compatibility agent

**SECTION 1 NOTES:** None

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## SECTION 2: HAZARDOUS INGREDIENTS

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INGREDIENT	CAS NO.	% WT/% VOL	SARA 313	OSHA		ACGIH			
			REPORTABLE	TWA	STEL	Ceiling	TWA	STEL	Ceiling
Phosphoric acid	7664-38-2	<1	Not at level present	1 mg/m <sup>3</sup>			1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	
Ethylene oxide	75-21-8	<1 ppm	Not at level present	1 ppm	5ppm/15min		1 ppm		

**SECTION 2 NOTES:** None

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## SECTION 3: HAZARDS IDENTIFICATION

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**ROUTES OF ENTRY:** Eyes, skin, ingestion, inhalation

### POTENTIAL HEALTH EFFECTS

**EYES:** CAUSES EYE BURNS.

**SKIN:** CAUSES SKIN BURNS.

**INGESTION:** INGESTION MAY CAUSE GASTRIC DISTURBANCES.

**INHALATION:** MAY CAUSE RESPIRATORY TRACT IRRITATION.

**ACUTE HEALTH HAZARDS:** Potential for esophageal irritation upon ingestion.

**CHRONIC HEALTH HAZARDS:** Prolonged or repeated contact may cause dermatitis.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known

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### CARCINOGENICITY

**OSHA:** No      **ACGIH:** No      **NTP:** No      **IARC:** No      **OTHER:** No

### SECTION 3 NOTES:

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing and adverse medical condition and allergic reactions.

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## SECTION 4: FIRST AID MEASURES

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**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

**SECTION 4 NOTES:** None

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** Unknown  
**(% BY VOLUME) LOWER:** Unknown

**FLASH POINT:**

F: 149

C: 65

**METHOD USED:**

PMCC

**AUTOIGNITION TEMPERATURE:**

F: Unknown

C: Unknown

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 3      **FLAMMABILITY:** 1      **REACTIVITY:** 0      **OTHER:** -

**EXTINGUISHING MEDIA:**

Foam, Dry Chemical, CO<sub>2</sub>

**SPECIAL FIRE FIGHTING PROCEDURES:**

Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Phosphorus compounds. The substances/groups of substances mentioned can be released in case of fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Phosphorus compounds, oxides of carbon during fire conditions.

**SECTION 5 NOTES:**

None

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Spills should be contained, solidified, and placed in suitable containers for disposal.

For small amounts: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

For large amounts: Dike spillage. Vacuum up spilled product.

For residues: Rinse away with a weakly alkaline aqueous solution.

**SECTION 6 NOTES:**

None

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Keep out of reach of children. Store in cool dry place. Keep in original container tightly closed. Do not reuse empty container.

**OTHER PRECAUTIONS:** Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. Do not store with materials labeled "Oxidizers" or oxidizing agents.

**SECTION 7 NOTES:**

None

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**VENTILATION :** Normal room ventilation (mechanical) or outdoor use should be satisfactory

**RESPIRATORY PROTECTION:** None required for normal use

**EYE PROTECTION:** Chemical goggles and face shield

**SKIN PROTECTION:** Impervious gloves, full body suit

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

**EXPOSURE GUIDELINES:** None

**SECTION 8 NOTES:** None

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Amber to gold

**ODOR:** Mild alcohol

**PHYSICAL STATE:** liquid

**pH AS SUPPLIED:** Highly acidic  
**pH (Other):** 2.5 – 3.5 @ 0.25%

**BOILING POINT:**  
F: Unknown  
C: Unknown

**MELTING POINT:**  
F: Unknown  
C: Unknown

**FREEZING POINT:**  
F: Unknown  
C: Unknown

**VAPOR PRESSURE (mmHg):** Unknown  
@  
F:  
C:

**VAPOR DENSITY (AIR = 1):** Unknown  
@  
F:  
C:

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** ~1.13  
@  
F: 68  
C: 20

**EVAPORATION RATE:** Unknown  
**BASIS (butyl acetate=1):**

**SOLUBILITY IN WATER:** Soluble

**VISCOSITY:** Unknown  
@  
F:  
C:

**SECTION 9 NOTES:** None

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY:        Stable            Unstable   

CONDITIONS TO AVOID (STABILITY):        Excessive heat and open flame

INCOMPATIBILITY (MATERIAL TO AVOID):        Strong oxidizers, strong alkali

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:        Under fire conditions, carbon and phosphorous oxides

HAZARDOUS POLYMERIZATION:        Will not occur

CONDITIONS TO AVOID (POLYMERIZATION):        None

SECTION 10 NOTES:        None

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:        Not available

SECTION 11 NOTES:        None

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:        Not available

SECTION 12 NOTES:        None

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:        Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all federal, state and local regulations.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS:        D002

SECTION 13 NOTES:        None

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:        CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

HAZARD CLASS:        8

ID NUMBER:        UN 3264

PACKING GROUP:        III

Note:        Exempt from labeling requirements per 49 CFR 173.154 (b) (2) for any container size up to 5 liters

### OTHER AGENCIES:

#### Sea transport

##### IMDG

Hazard class:        8

Packing group:        III

ID number:        UN 3264

Hazard label:        8

Marine pollutant:        NO

Proper shipping name:        CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

#### Air transport

##### IATA/ICAO

Hazard class:        8

Packing group:        III

ID number:        UN 3264

Hazard label:        8

Proper shipping name:        CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

Note:        Exempt from labeling requirements for passenger aircraft for container size up to 5 liters per 49 CFR 173.27 and cargo aircraft for containers up to 60 liters per 49 CFR 175.75

SECTION 14 NOTES:        None

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## SECTION 15: REGULATORY INFORMATION

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## U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Ingredients listed, mixture not listed

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not applicable

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**311/312 HAZARD CATEGORIES:** Acute

**313 REPORTABLE INGREDIENTS:** Phosphoric acid below reportable quantities

## STATE REGULATIONS:

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047).

**INTERNATIONAL REGULATIONS:** Unknown

**SECTION 15 NOTES:** None

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## SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:** None

**PREPARATION INFORMATION:** Prepared on 9/26/2008

### DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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