

MSDS *Material Safety Data Sheet*

Wilsonart International



MSDS Number: 16419
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Wilsonart® H2O Adhesive

Revision Date: 01/08/10
Revision No: 19

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® H2O Adhesive

Manufacturer: WILSONART INTERNATIONAL, INC.
P. O. BOX 6110 – 2400 WILSON PLACE
TEMPLE, TX 76503
INFORMATION PHONE: 800-433-3222 (USA)

Trade Name: H2O Adhesive or WA H2O Waterborne Contact Adhesive

Material Uses: Adhesive for laminate

In Case of Emergency Contact CHEMTREC: 800-424-9300 (USA)
703-527-3887 (INTERNATIONAL)

2 HAZARDS IDENTIFICATION

Route of Entry: Skin, eyes, inhalation, ingestion.

Target Organs: None.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

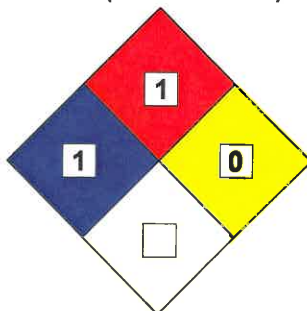
Inhalation: Breathing vapors may cause irritation to the respiratory tract.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

HMIS (United States):	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	B

NFPA (United States):

WHMIS (Canada): Not classified as hazardous



3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Water	7732-18-5	40 – 50
Polychloroprene	9010-98-4	30 – 40
Resin Dispersion	Not Available	20 – 40
Zinc Oxide	1314-13-2	1 – 3
Resin Acid & Rosin Acid in Sodium and Potassium form	Not Available	< 5

4 FIRST AID MEASURES

Skin Contact: Remove contaminated clothing and wash affected areas with soap and water. If irritation develops, seek medical attention.

Eye Contact: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek medical attention.

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Inhalation: Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

Ingestion: DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable.

Flash Point Method: Not Applicable.

Autoignition Temp.: Not Applicable.

Burning Rate: Material is not flammable. Dry adhesive will burn.

Flammability Classification: Not Applicable.

Firefighting Equipment: Use self-contained breathing apparatus (SCBA) with a full-face piece and pressure demand or other positive-pressure mode and protective gear appropriate for surrounding materials. In case of fire, use water, dry chemical, CO₂, or alcohol foam extinguishing media.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂) and various Hydrocarbons.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE. Make sure area is well ventilated. Spilled adhesive may be slippery.

Environmental Precautions: Keep out of sewers and drains.

Clean-up Methods: Dike and contain spill. Absorb spilled product with vermiculite, dry sand, or earth. Place in a suitable non-leaking container and tightly seal for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Wear appropriate PPE. If used indoors, make sure to provide adequate ventilation to prevent vapor build-up. Avoid breathing of vapors.

Storage Requirements: Store in a cool, dry, well-ventilated area. Avoid freezing temperatures. Minimize contact with atmospheric air to prevent inoculation with microorganisms.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area. Ensure that a working eyewash and safety shower are in the work area.

Protective Equipment: Wear safety glasses with side shields, and neoprene or rubber gloves.

Exposure Guidelines / Other:

Product Name	Exposure Limits
Zinc Oxide (1314-13-2)	OSHA PEL: TWA 5 mg/m ³ (fume)
	TWA 15 mg/m ³ (total dust)
	TWA 5 mg/m ³ (respirable dust)
	ACGIH TLV: TWA 2 mg/m ³ STEL 10 mg/m ³

Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White mobile liquid

Physical State: Liquid

Autoignition Temp.: Not Applicable

Flash Point: Not Applicable

Molecular Weight: Not Applicable

pH: 10 – 12

Odor: Slight Ammonia

Boiling Point: Similar to water

Freezing / Melting Point: Similar to water

Percent Volatile: Not Available

Solubility: Soluble in Water

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Specific Gravity / Density: 1.09 (~ 9.1 lb/gal)
Vapor Pressure: Equivalent to water
VOC: < 20 g/L

Vapor Density: Equivalent to water
Viscosity: ~ 600 Cps

10 **STABILITY AND REACTIVITY**

Stability: Product is stable as supplied.

Conditions to Avoid: Freezing and boiling temperatures.

Materials to Avoid (incompatibility): Strong acids, strong bases, copper and copper alloys.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂) and various Hydrocarbons.

Hazardous Polymerization: Will not polymerize.

11 **TOXICOLOGICAL INFORMATION**

Toxicity to Animals: This product has not been tested for animal effects. This product is not expected to be toxic to animals.

Toxicity to Humans: This product has not been tested for human effects. This product is not expected to be toxic to humans.

Acute Toxicity to Humans: No additional information.

Chronic Toxicity on Humans: No additional information.

Carcinogenic Effects: No additional information.

Mutagenic Effects: No additional information.

Teratogenic Effects: No additional information.

Developmental Toxicity: No additional information.

12 **ECOLOGICAL INFORMATION**

Ecotoxicity: Not Available.

BOD5 and COD: Not Available.

Biodegradable / OECD: Not Available.

Mobility: Not Available.

Toxicity of the Products of Biodegradation: Not Available.

Special Remarks on the Products of Biodegradation: Not Available.

13 **DISPOSAL CONSIDERATIONS**

Absorb spilled product with vermiculite, dry sand, or earth and allow to solidify. Dispose of solid material in a suitable container.

Dispose of in accordance with Federal, State, and local regulations.

14 **TRANSPORT INFORMATION**

Restrictions: None known.

DOT Requirements: Not a DOT controlled material (United States).

DOT Classification: Adhesive Resin Compound.

Markings: None.

Packaging Requirements: Keep from freezing.

ADR Requirements: Not an ADR controlled material (Europe).

IMDG Requirements: Not an IMDG controlled material.

IATA Requirements: Not an IATA controlled material.

Marine Pollutant: Not expected to be a marine pollutant.

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15 REGULATORY INFORMATION

U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
None						

All quantities in pounds

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Zinc Oxide (1314-13-2)		X	X	X	X	X

International Regulations

DSL (Canada): The chemicals in this product are listed.

EINECS: The chemicals in this product are listed.

WHMIS: Not classified as hazardous.

16 OTHER INFORMATION

References

Lewis, R. J., Rapid Guide to Hazardous Chemicals in the Workplace, 4th ed., Wiley-Interscience, New York, 2000.

NIOSH Pocket Guide to Chemical Hazards, Department of Health and Human Services, National Institute for Occupational Safety and Health, 2004.

Patty's Toxicology, 5th ed. John Wiley & Sons, Inc. 2001.

TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGIH Worldwide, Cincinnati, 2007.

Glossary

ACGIH – American Conference of Governmental Industrial Hygienists

ASTM – American Society for Testing and Materials

ADR – Agreement on Dangerous Goods by Road (Europe)

BOD5 – Biological Oxygen Demand in 5 days

CAA – Clean Air Act

CAS – Chemical Abstracts Services

CEPA – Canadian Environmental Protection Act

CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act

CFR – Code of Federal Regulations

CL – Ceiling Exposure Limit

CWA – Clean Water Act

DOT – Department of Transportation

DSCL – Dangerous Substances Classification and Labeling (Europe)

DSL – Domestic Substance List (Canada)

EEC/EU – European Economic Community/European Union

EINECS – European Inventory of Existing Commercial Chemical Substances

HCS – Hazard Communication System

HMIS – Hazardous Material Information System

IARC – International Agency for Research on Cancer

LD50/LC50 – Lethal Dose/Concentration kill 50%

LDLo/LCLo – Lowest Published Lethal Dose/Concentration

NFPA – National Fire Prevention Association

NIOSH – National Institute for Occupational Safety & Health

NTP – National Toxicology Program

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OSHA – Occupational Safety & Health Administration
PEL – Permissible Exposure Limit
RCRA – Resource Conservation and Recovery Act
SARA – Superfund Amendments and Reorganization Act
STEL – Short Term Exposure Limit (15 minutes)
TDG – Transportation of Dangerous Goods (Canada)
TLV-TWA – Threshold Limit Value-Time Weighted Average
TSCA – Toxic Substances Control Act
WHMIS – Workplace Hazardous Material Information System

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF MSDS DOCUMENT

H305-GR10 LT.GUNMETAL

SECTION I COMPANY AND PRODUCT INFORMATION

CARDINAL INDUSTRIAL FINISHES

1329 POTRERO AVENUE

SOUTH EL MONTE, CA 91733

INFORMATION:

PHONE: (626) 444-9274 or (323) 283-9335 FAX: (626) 444-0382

24-Hour Emergency Phone: (800) 424-9300 Chemtrec

PREPARED BY: Richard A. Stewart

PRODUCT: H305-GR10 LT.GUNMETAL

GENERAL DESCRIPTION: EPOXY POLYESTER HYBRID POWDER COATING

HMIS CODES: H: 1 F: 1 R: 0 P:

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	EXPOSURE LIMITS	V. P.	CAS No.	% WT
		(mmHg @ 20°C)		
Titanium Dioxide			13463-67-7	10% - 15%
	OSHA PEL: 15 mg/m3; ACGIH TLV: 10 mg/m3			

SECTION III PHYSICAL DATA

BOILING RANGE: n/a

VAPOR DENSITY: Heavier than air

EVAPORATION RATE: N/A

% VOLATILE BY VOLUME: N/A

% SOLIDS BY VOLUME: 100.

% EXEMPT BY VOLUME: N/A

VOC CONTENT:

EXCLUDING EXEMPT: 0.0 lb/gl

INCLUDING EXEMPT: 0.0 lb/gl

SPECIFIC GRAVITY: 1.6305

WEIGHT PER GALLON: 13.577 lb/gl

% VOLATILE BY WEIGHT: N/A

% SOLIDS BY WEIGHT: 100.

% EXEMPT BY WEIGHT: N/A

0 g/l

0 g/l

VOC content tested per EPA METHOD 24, ASTM D2369 is less than 1% Wt/Wt.

Continued on next page.

H305-GR10 LT.GUNMETAL

SECTION IV FIRE AND EXPLOSION RISKS

FLAMMABILITY CLASSIFICATION: Combustible Solids Class IIIB**FLASH POINT:** N/A**METHOD:** N/A**L.E.L.:** 10g/m3**U.E.L.:** 70mg/m3**EXTINGUISHING MEDIA:** Foam, alcohol foam, CO2, dry chemical, water fog.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustion may occur when suspended in air in an enclosed environment with an ignition source. (ie: Duct work)**SPECIAL FIREFIGHTING PROCEDURES:** Self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure modes.**SECTION V HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE:

SKIN CONTACT: Slight irritation, dry skin, minor rashes.

EYE CONTACT: Moderate irritation, redness, tearing and itching sensation.

INHALATION: May cause nasal irritation, sneezing and coughing.

INGESTION: May cause gastrointestinal irritation, nausea, and diarrhea.

ACUTE: Can cause eye irritation, redness, tearing and blurred vision. Can cause moderate skin irritation

CHRONIC: May cause skin drying, rash, and dermatitis.

CARCINOGENICITY:**This product contains:****(Chemical; CAS#)**

Titanium Dioxide

13463-67-7

Indicates a chemical listed by IARC 2B as a possible carcinogen.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Pre-existing respiratory conditions, allergies, eczema or skin conditions.**PRIMARY ENTRY ROUTES OF EXPOSURE:** Dermal and Inhalation**EMERGENCY AND FIRST AID PROCEDURES:**

EYE CONTACT: Flush with large quantities of water for 15 to 30 minutes. Get medical attention.

SKIN CONTACT: Wash exposed area with mild soap and water for 15 minutes. Remove contaminated clothing.

INHALATION: Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention.

INGESTION: < DO NOT INDUCE VOMITING > Keep victim warm and seek immediate medical attention.

Continued on next page.

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SECTION VI REACTIVITY DATA

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Extremely high temperatures, poor ventilation and excessive aging.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Thermal decomposition may produce carbon dioxide and/or carbon monoxide.

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent dust clouds from forming. Eliminate all sources of ignition. Wear eye protection and dust mask. Sweep and use non-sparking shovels to scoop up. Place material in recovery container for disposal. Prevent from spreading to ground water.

WASTE DISPOSAL METHOD: Powder may be classified as a non-hazardous material. However, material should first be tested in accordance with EPA for TCLP requirements. Dispose of in accordance with local, state and federal regulations.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Use a Particulate Respirator with an R95 rating for all handling of this product. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient "UL" approved mechanical (General and/or local exhaust) ventilation to control dust. This product is designed for industrial use in approved spray enclosures.

PROTECTIVE GLOVES: Use Gloves to prevent exposure to powder.

EYE PROTECTION: Use proper eye protection to prevent exposure to powder.

OTHER PROTECTIVE EQUIPMENT: Prevent repeated or prolonged skin contact, wear impervious clothing and work shoes.

HYGIENIC PRACTICES: Remove and wash soiled clothing before reuse. Wash hands before eating or smoking.

Continued on next page.

H305-GR10 LT.GUNMETAL

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place and protect from breakage. (Avoid moisture) Clean up spills immediately, keep tightly closed when not being used. Avoid poor ventilation and excessive aging. Do not store near food or drinks. Do not allow powder dust to accumulate in and around machinery.

OTHER PRECAUTIONS: Powder coating application equipment should be grounded at all times to prevent static electricity build-up. (OSHA 29CFR 1910.107) "There shall be no open flame or spark producing equipment in any spraying area nor within 20 feet thereof, unless separated by a partition."

SECTION X SHIPPING INFORMATION

D.O.T. SHIPPING NAME : Not Regulated By D.O.T., 49 CFR
D.O.T. HAZARD CLASS : None
UN/NA NUMBER : None
PACKAGING GROUP : None
D.O.T. LABELS REQUIRED : None

SECTION XI OTHER REGULATORY INFORMATION

Toxic Control Act: All components of this product are listed on the EPA TSCA Inventory or exempt from notification.

Canadian Environmental Protection: All of the components of this product are approved and listed on the Canadian Domestic Substance List or exempt from notification requirements.

California Proposition 65:

* This product contains (a) chemical(s) known to the State of California to cause cancer.

* Crystalline Silica

14808-60-7

The information contained in this Material Safety Data Sheet is considered to be true and accurate. Cardinal Industrial Finishes makes no warranties, expressed or implied, as to the accuracy and adequacy of this information. This data is offered solely for the user's consideration, investigation and verification.

**Material Safety Data Sheet
HOUGHTO-PREP ZP****1. Chemical Product and Company Identification**

Product Name	HOUGHTO-PREP ZP	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Nitric Acid	7697-37-2	< 1	TLV: 2 ppm PEL: 2 ppm STEL: 4 ppm Other:
Phosphoric Acid	7664-38-2	<1	TLV: 1 mg/m ³ PEL: 1 mg/m ³ STEL: 3 mg/m ³ Other:

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	AVOID BREATHING MISTS OF PRODUCT AND/OR DILUTIONS, WHICH MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE SEVERE EYE IRRITATION OR CHEMICAL BURNS. MAY CAUSE PERMENANT DAMAGE.
Skin	MAY CAUSE SEVERE SKIN IRRITATION OR CHEMICAL BURNS. BLISTERING MAY OCCUR.
Ingestion	INGESTION MAY CAUSE SEVERE IRRITATION OR CORROSIVE BURNS TO MOUTH, THROAT AND DIGESTIVE TRACT.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.



Material Safety Data Sheet

HOUGHTO-PREP ZP

3. Hazards Identification - continued

Medical Conditions
Aggravated by LongTerm
Exposure

PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED
BY EXPOSURE.

Chronic Effects

UNKNOWN

HMIS:

Health	3
Flammability	0
Reactivity	0

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation

IF INHALED, REMOVE TO A SOURCE OF FRESH AIR.

Eye Contact

IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. GET IMMEDIATE
MEDICAL ATTENTION.

Skin Contact

FLUSH SKIN WITH LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED
CLOTHING AND LAUNDER BEFORE REUSING. CONSULT PHYSICIAN IF
IRRITATION PERSISTS.

Ingestion

IF INGESTED, DO NOT INDUCE VOMITING. RINSE MOUTH AND THROAT WITH
WATER. GIVE WATER, MILK OR MILK OF MAGNESIA. CONSULT PHYSICIAN.

Note to Physicians

NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF
THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL
SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable

5. Fire Fighting Measures

Flash Point

N/A - PRODUCT CONTAINS WATER.

Autoignition Temperature

N/D

LEL

N/A

UEL

N/A



Material Safety Data Sheet

HOUGHTO-PREP ZP

5. Fire Fighting Measures - continued

Extinguishing Media	SUITABLE EXTINGUISHING MEDIA FOR THE SURROUNDING FIRE SHOULD BE USED.
Unusual Fire or Explosion Hazards	PRODUCT IS STRONGLY ACIDIC. IF PRODUCT IS SPILLED, WEAR PROTECTIVE GEAR.
Fire Fighting Instructions	USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. WEAR PROTECTIVE GEAR DURING FIREFIGHTING.

NFPA:

Health	3
Flammability	0
Reactivity	0
Special	COR

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

6. Accidental Release Measures

Spill or Release Procedures	WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. NEUTRALIZE SPILL WITH SODA ASH OR DILUTE ALKALI, DILUTE WITH WATER AND MOP UP THOROUGHLY.
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7. Handling and Storage

Handling Precautions	CAUTION! PRODUCT IS ACIDIC. WEAR RECOMMENDED PROTECTIVE EQUIPMENT. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
Storage Requirements	STORE AWAY FROM STRONG ALKALI. KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUE. PRECAUTIONS APPLY TO EMPTY CONTAINERS.

8. Exposure Controls/Personal Protection

Engineering Controls	PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE LIMITS IN SECTION 2.
Personal Protective Equipment	



Material Safety Data Sheet

HOUGHTO-PREP ZP

8. Exposure Controls/Personal Protection - continued

Eye/Face Protection	WEAR SAFETY GOGGLES OR FACE SHIELD.
Skin Protection	USE RUBBER GLOVES AND LONG SLEEVES TO MINIMIZE SKIN EXPOSURE. USE APRON OR OVERALLS IF SPLASHING IS POSSIBLE.
Respiratory Protection	RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED. RECOMMENDED IN MISTING CONDITIONS.
Other	EYE WASH AND SAFETY SHOWER RECOMMENDED.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

9. Physical and Chemical Properties

Appearance	TRANSPARENT, FAINTLY AMBER LIQUID	Water Solubility	COMPLETE
Odor	SLIGHT ACIDIC ODOR	Boiling Point	215° F
Vapor Pressure (mmHg)	AS WATER	Evaporation Rate (BuAc = 1)	<1
Vapor Density (Air = 1)	AS WATER		
Specific Gravity (Water = 1)	1.0204		
pH (Neat)	2.8		
pH (Dilution)			
At Percent	1		
pH	2.96		

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	STRONG OXIDIZERS, STRONG ALKALIES.

**Material Safety Data Sheet
HOUGHTO-PREP ZP****10. Stability and Reactivity - continued**Hazardous Decomposition
Products

OXIDES OF PHOSPHORUS, NITROGEN

Hazardous Polymerization

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

Disposal

FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)

RCRA Hazardous Waste
Number

D002 (CORROSIVITY)

14. Transportation Information

Proper Shipping Name

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID AND NITRIC ACID), 8, UN 3264, II.

15. Regulatory Information

TSCA Section 8(b)

ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.

CERCLA Reportable
Quantity

NONE

**Material Safety Data Sheet
HOUGHTO-PREP ZP****15. Regulatory Information - continued**

SARA Title III, Section 313

THIS PRODUCT CONTAINS NO TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

Ozone Depleting
Substances

THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.

16. Other Information

Prepared By

GARY CARL

Title

MANAGER, PRODUCT SAFETY

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