

SAFETY DATA SHEET

Issuing Date: 22-Dec-2011 Revision Date: 27-Sep-2016 Revision Number: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Code: 03175SSC Product Name: WASH PRIMER ACID COMPONENT

MIL-C-8514C, AMEND 1, PART B

Hentzen Coatings, Inc.

Company Phone Number: 1-414-353-4200
6937 West Mill Road, Milwaukee, WI 53218-1225

Emergency telephone number ChemTrec 1-800-424-9300

Recommended use of the chemical and restrictions on use Industrial paint (Paint or Paint-Related), Restricted to

professional users

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 2
Flammable Liquids	Category 2

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful if swallowed
Causes serious eye irritation
May cause cancer
May cause damage to organs
Highly flammable liquid and vapor



Appearance Clear Physical state Liquid Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear eye/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

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Keep container tightly closed

Ground/Bond container and receiving equipment

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains a known or suspected carcinogen

This product contains substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990. See Section 15 for list of HAPS.

Chemical Name	CAS No	Weight-%	ACGIH	OSHA
ETHYL ALCOHOL	64-17-5	80% - 90%	STEL: 1000 ppm	TWA: 1000 ppm
				TWA: 1900 mg/m ³
ISOPROPYL ALCOHOL	67-63-0	5% - 10%	STEL: 400 ppm	TWA: 400 ppm
			TWA: 200 ppm	TWA: 980 mg/m ³
PHOSPHORIC ACID	7664-38-2	1% - 5%	STEL: 3 mg/m ³	TWA: 1 mg/m ³
			TWA: 1 mg/m ³	_
METHANOL	67-56-1	1% - 5%	STEL: 250 ppm	TWA: 200 ppm
			TWA: 200 ppm	TWA: 260 mg/m ³
			S*	_

4. FIRST AID MEASURES

First Aid Measures

General advice Immediate medical attention is required. Show this safety data sheet to the doctor in

attendance.

Eye Contact Immediately flush eyes with water for at least 15 minutes. Get medical attention. If easy to

do, remove contact lenses. Keep eye wide open while rinsing. If symptoms persist, call a

physician.

Skin Contact Wash off immediately with plenty of water.

InhalationConsult a physician if necessary. If breathing is irregular or stopped, administer artificial

respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion Do NOT induce vomiting.

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Self-protection of the first aider Remove all sources of ignition.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and

No information available.

Effects

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical

Flammable.

Explosion Data

Sensitivity to Mechanical Impact no data available.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Ensure adequate ventilation. Remove all sources of

ignition. Use personal protective equipment as required. Avoid breathing vapors or mists.

Ventilate the area.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system. Vapors are heavier than air, spread

along floors and form explosive mixtures with air.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent

material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert

absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of

ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilation and lighting) equipment. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding

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strap. Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away

from heat, sparks and flame.

Incompatible ProductsNone known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH IDLH
ETHYL ALCOHOL	STEL: 1000 ppm	TWA: 1000 ppm	IDLH: 3300 ppm
64-17-5		TWA: 1900 mg/m ³	TWA: 1000 ppm
			TWA: 1900 mg/m ³
ISOPROPYL ALCOHOL	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm
67-63-0	TWA: 200 ppm	TWA: 980 mg/m ³	TWA: 400 ppm
			TWA: 980 mg/m ³
			STEL: 500 ppm
			STEL: 1225 mg/m ³
PHOSPHORIC ACID	STEL: 3 mg/m ³	TWA: 1 mg/m ³	IDLH: 1000 mg/m ³
7664-38-2	TWA: 1 mg/m ³		TWA: 1 mg/m ³
			STEL: 3 mg/m ³
METHANOL	STEL: 250 ppm	TWA: 200 ppm	IDLH: 6000 ppm
67-56-1	TWA: 200 ppm	TWA: 260 mg/m ³	TWA: 200 ppm
	S*		TWA: 260 mg/m ³
			STEL: 250 ppm
			STEL: 325 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

Exposure controls

Engineering Measures Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use personal protective equipment as required.

Skin and Body Protection Chemical resistant apron.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

Hygiene Measures Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work

area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid Appearance Clear

Solvent. **Odor Threshold** No data available Odor pН No data available Flash Point 52 °F / 11 °C 145 °F / 63 °C Decomposition temperature No data available **Boiling Point** Freezing Point No data available Melting Point / Melting Range No data available Vapor Pressure @20°C (kPa) No data available Partition coefficient: No data available **Vapor Density** No data available **Density** No data available

Bulk densityNo data availableSpecific Gravity0.820247995916774Evaporation RateNo data availableWater solubilityNo data available

Dynamic viscosity No data available Weight per Gallon (lbs/gal): 6.83

Flammability Limits in Air

Upper 17.37 % Lower 3 %

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10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information The product has not been tested

Inhalation There is no data for this product.

Eye Contact There is no data for this product.

Skin Contact There is no data for this product.

Ingestion There is no data for this product.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
ETHYL ALCOHOL 64-17-5	7060 mg/kg (Rat)	N/A	124.7 mg/L (Rat) 4 h
ISOPROPYL ALCOHOL 67-63-0	1870 mg/kg (Rat)	4059 mg/kg (Rabbit)	72600 mg/m³ (Rat) 4 h
PHOSPHORIC ACID 7664-38-2	1530 mg/kg (Rat)	2740 mg/kg (Rabbit)	850 mg/m³ (Rat)1 h
METHANOL 67-56-1	6200 mg/kg (Rat)	N/A	22500 ppm (Rat)8 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

MUTAGENIC EFFECTS No information available.

Carcinogenicity This product contains one or more substances which are classified by IARC as

carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly

carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA
ETHYL ALCOHOL	A3	Group 1	Known	X
64-17-5		,		
ISOPROPYL ALCOHOL	N/A	Group 1	N/A	X

67-63-0 Group 3

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive Toxicity
Specific target organ systemic toxicity (single exposure)

No information available. No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

Chronic Toxicity

May cause adverse effects on the bone marrow and blood-forming system. May cause

adverse liver effects. Contains a known or suspected reproductive toxin.

Target Organ Effects

Blood, Central nervous system (CNS), Eyes, Gastrointestinal tract (GI), Liver, Reproductive

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system, Respiratory system, Skin.

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1879 mg/kg ATEmix (dermal) 6704 mg/kg ATEmix (inhalation-dust/mist) 13.8 mg/l

Oral LD50 5609 mg/kg (rat) Estimated Dermal LD50 5609 mg/kg (rat) Estimated

Inhalation LC50 875634 mg/l (mist) (dust) mg/m³ Estimated

Inhalation LC50

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other
			aquatic invertebrates
ETHYL ALCOHOL	N/A	13400 - 15100: 96 h Pimephales	9268 - 14221: 48 h Daphnia magna
64-17-5		promelas mg/L LC50 flow-through	mg/L LC50 2: 48 h Daphnia magna
		100: 96 h Pimephales promelas	mg/L EC50 Static
		mg/L LC50 static 12.0 - 16.0: 96 h	
		Oncorhynchus mykiss mL/L LC50	
		static	
ISOPROPYL ALCOHOL	1000: 96 h Desmodesmus	1400000: 96 h Lepomis	13299: 48 h Daphnia magna mg/L
67-63-0	subspicatus mg/L EC50 1000: 72 h	macrochirus µg/L LC50 9640: 96 h	EC50
	Desmodesmus subspicatus mg/L	Pimephales promelas mg/L LC50	
	EC50	flow-through 11130: 96 h	
		Pimephales promelas mg/L LC50	
		static	
METHANOL	N/A	100: 96 h Pimephales promelas	N/A
67-56-1		mg/L LC50 static 28200: 96 h	
		Pimephales promelas mg/L LC50	
		flow-through 19500 - 20700: 96 h	
		Oncorhynchus mykiss mg/L LC50	
		flow-through 13500 - 17600: 96 h	
		Lepomis macrochirus mg/L LC50	
		flow-through 18 - 20: 96 h	
		Oncorhynchus mykiss mL/L LC50	
		static	

Persistence and degradability

No information available.

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Bioaccumulation

No information available.

Chemical Name	Partition coefficient
ETHYL ALCOHOL	-0.32
64-17-5	
ISOPROPYL ALCOHOL	0.05
67-63-0	
METHANOL	-0.77
67-56-1	

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste treatment methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

US EPA Waste Number D001

Chemical Name	RCRA - Basis for Listing	RCRA - D Series Wastes
METHANOL	Included in waste stream: F039	N/A
67-56-1		

California Hazardous Waste Codes 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
ETHYL ALCOHOL	Toxic
64-17-5	Ignitable
ISOPROPYL ALCOHOL	Toxic
67-63-0	Ignitable
PHOSPHORIC ACID	Corrosive
7664-38-2	
METHANOL	Toxic
67-56-1	Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No

Flammable liquids, corrosive, n.o.s. Proper shipping name

Hazard class Subsidiary Class 8 **Packing Group**

Special Provisions IB2, T11, TP2, TP27

Description UN2924, Flammable liquids, corrosive, n.o.s. (ETHYL ALCOHOL, PHOSPHORIC ACID,

METHANOL), 3 (8), II

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TDG UN-No UN2924

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class 3 **Subsidiary Class** 8

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Packing Group

Description UN2924, Flammable liquid, corrosive, n.o.s. (ETHYL ALCOHOL, PHOSPHORIC ACID,

METHANOL), 3 (8), II

MEX

UN-No UN2924

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class 3
Subsidiary Class 8
Packing Group ||

Description UN2924, Flammable liquid, corrosive, n.o.s., 3 (8), II

ICAO

UN-No UN2924

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class 3
Subsidiary hazard class 8
Packing Group II
Special Provisions A3

Description UN2924, Flammable liquid, corrosive, n.o.s. (ETHYL ALCOHOL, PHOSPHORIC ACID,

METHANOL), 3 (8), II

<u>IATA</u>

UN-No UN2924
Hazard class 3
Subsidiary hazard class 8
Packing Group II
ERG Code 3CH
Special Provisions A3, A803

IMDG/IMO

UN-No UN2924
Hazard class 3
Subsidiary hazard class 8
Packing Group II
EmS-No F-E, S-C

Special Provisions 274

RID

UN-No UN2924

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class 3
Packing Group II
Classification Code FC

Description UN2924, Flammable liquid, corrosive, n.o.s., 3 (8), II

ADR/RID-Labels 8

ADR/RID

UN-No UN2924

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class 3
Packing Group II
Classification Code FC
Tunnel restriction code (D/E)
Special Provisions 274

Description UN2924, Flammable liquid, corrosive, n.o.s. (ETHYL ALCOHOL, PHOSPHORIC ACID,

METHANOL), 3 (8), II, (D/E)

ADR/RID-Labels 3+8

<u>ADN</u>

Proper shipping name Flammable liquid, corrosive, n.o.s.

Hazard class

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Packing Group II
Classification Code FC
Special Provisions 274

Description UN2924, Flammable liquid, corrosive, n.o.s., 3 (8), II

Hazard Labels 3 + 8 Limited Quantity (LQ) 1 L Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies **DSL/NDSL** Complies **EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies **KECL** Complies Complies **PICCS AICS** Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	SARA 313 - Threshold Values %	
ISOPROPYL ALCOHOL	67-63-0	1.0	
METHANOL	67-56-1	1.0	

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

CAA (Clean Air Act)

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants This product contains the following HAPs:

Chemical Name	CAS No	Hazardous air pollutants (HAPs) content
METHANOL	67-56-1	Present

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
PHOSPHORIC ACID	5000 lb	N/A	N/A	X

CERCLA

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This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ (reportable quantity)
PHOSPHORIC ACID	5000 lb	N/A	RQ 5000 lb final RQ RQ 2270 kg final RQ
METHANOL	5000 lb	N/A	RQ 5000 lb final RQ RQ 2270 kg final RQ

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	CAS No	California Proposition 65
ETHYL ALCOHOL	64-17-5	Carcinogen
		Developmental
METHANOL	67-56-1	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
ETHYL ALCOHOL	Χ	Χ	X	Χ	X
ISOPROPYL ALCOHOL	Χ	X	X	N/A	Х
PHOSPHORIC ACID	Χ	Х	X	N/A	X
METHANOL	Х	X	X	Х	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

Chemical Name	Carcinogenic Status	Exposure Limits
ETHYL ALCOHOL	N/A	Mexico: TWA 1000 ppm
		Mexico: TWA 1900 mg/m ³
ISOPROPYL ALCOHOL	N/A	Mexico: TWA 400 ppm
		Mexico: TWA 980 mg/m ³
		Mexico: STEL 500 ppm
		Mexico: STEL 1225 mg/m ³
PHOSPHORIC ACID	N/A	Mexico: TWA 1 mg/m ³
		Mexico: STEL 3 mg/m ³
METHANOL	N/A	Mexico: TWA 200 ppm
		Mexico: TWA 260 mg/m ³
		Mexico: STEL 250 ppm
		Mexico: STEL 310 mg/m ³

16. OTHER INFORMATION				
NFPA	Health Hazard 0	Flammability 3	Instability 0	Physical and Chemical Hazards -

NFPA Rating

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HMIS Health Hazard 2 * Flammability 3 Physical Hazard 0 Personal protection X

Chronic Hazard Star Legend * Chronic Health Hazard

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Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. 03175SSC

end