

SAFETY DATA SHEET

Issuing Date: 05-Mar-2021 Revision Date: 29-Mar-2021 Print Date: 29-Mar-2021

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

Product Code: 53055GEP Product Name: GREEN CHROMATE-FREE FAST DRY

PRIMER BAMS 800-004 AND NTR-MS-0901

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
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Flammable Liquids	Category 2

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful if swallowed
harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
Highly flammable liguid and vapor



Appearance Opaque 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

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Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Contaminated work clothing should not be allowed out of the workplace

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

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

Wear protective gloves/protective clothing/eye protection/face protection

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 skin irritation or rash occurs: Get medical advice/attention

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

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

- Harmful to aquatic life with long lasting effects
- · Harmful to aquatic life

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
METHYL AMYL KETONE	110-43-0	10% - 20%	TWA: 50 ppm	TWA: 100 ppm
				TWA: 465 mg/m ³
NATURAL WOLLASTONITE	13983-17-0	10% - 20%	TWA: 1 mg/m³ inhalable	N/A
			particulate matter,	
			particulate matter	
			containing no asbestos	
			and <1% crystalline silica	
BARIUM SULFATE	7727-43-7	5% - 10%	TWA: 5 mg/m³ inhalable	TWA: 15 mg/m³ total
			particulate matter,	dust
				TWA: 5 mg/m³ respirable
			containing no asbestos	fraction
			and <1% crystalline silica	
EPOXY RESIN	25068-38-6	5% - 10%	N/A	N/A
p-CHLOROBENZOTRIFLUORIDE	98-56-6	5% - 10%	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F
METHYL ACETATE	79-20-9	1% - 5%	STEL: 250 ppm	TWA: 200 ppm
			TWA: 200 ppm	TWA: 610 mg/m ³

TITANIUM DIOXIDE	13463-67-7	1% - 5%	TWA: 10 mg/m ³	TWA: 15 mg/m³ total dust
TALC	14807-96-6	1% - 5%	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 20 mppcf if 1% Quartz or more;use Quartz limit
SYNTHETIC AMORPHOUS SILICA (PRECIPITATED)	112926-00-8	1% - 5%	N/A	TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA
XYLENE(PURE)	1330-20-7	1% - 5%	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³

4. FIRST AID MEASURES

First Aid Measures

General advice Show this safety data sheet to the doctor in attendance. If symptoms persist, call a

physician.

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

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physician.

Skin Contact Remove and wash contaminated clothing and gloves, including the inside, before re-use. If

skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and

shoes.

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

fresh air. If breathing is irregular or stopped, administer artificial respiration. Consult a physician if necessary. Immediate medical attention is not required. Move to fresh air in

case of accidental inhalation of vapors. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse

mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by

mouth to an unconscious person. Consult a physician if necessary.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and

Effects

No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons. 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

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Extremely 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. Keep people away from and

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upwind of spill/leak. 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. Dike far ahead of liquid spill for later

disposal.

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). Use with local exhaust ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapor or mist. To dissipate static electricity during transfer, ground drum and

connect to receiving container with bonding 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. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH IDLH
METHYL AMYL KETONE	TWA: 50 ppm	TWA: 100 ppm	IDLH: 800 ppm
110-43-0		TWA: 465 mg/m ³	TWA: 100 ppm
		•	TWA: 465 mg/m ³
NATURAL WOLLASTONITE	TWA: 1 mg/m³ inhalable particulate	N/A	-
13983-17-0	matter, particulate matter containing		

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	no asbestos and <1% crystalline silica		
BARIUM SULFATE 7727-43-7	TWA: 5 mg/m³ inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
p-CHLOROBENZOTRIFLUORIDE 98-56-6	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F	IDLH: 250 mg/m ³ F
METHYL ACETATE 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m³	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust	IDLH: 5000 mg/m³ TWA: 2.4 mg/m³ CIB 63 fine TWA: 0.3 mg/m³ CIB 63 ultrafine, including engineered nanoscale
TALC 14807-96-6	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 20 mppcf if 1% Quartz or more;use Quartz limit	IDLH: 1000 mg/m³ TWA: 2 mg/m³ containing no Asbestos and <1% Quartz respirable dust
XYLENE(PURE) 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 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** Opaque Solvent. **Odor Threshold** No data available Odor рΗ No data available Flash Point 14 °F / -10 °C 133 °F / 56 °C **Decomposition temperature** No data available **Boiling Point**

Melting Point / Melting Range No data available
Vapor Pressure @20°C (kPa) No data available
Vapor Density
No data available
Bulk density
No data available
No data available
Specific Gravity
No data available
Specific Gravity
No data available
1.41

Evaporation Rate No data available Water solubility No data available

Dynamic viscosity No data available Weight per Gallon (lbs/gal): 11.78

EPA VOC (lb/gal) 2.63

Flammability Limits in Air

Upper 0.08 % **Lower** 0.01 %

10. STABILITY AND REACTIVITY

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Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

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
METHYL AMYL KETONE	= 1600 mg/kg (Rat)	= 12.6 mL/kg (Rabbit)	2000 - 4000 ppm (Rat) 6 h
110-43-0			
BARIUM SULFATE	= 307000 mg/kg (Rat)	N/A	N/A
7727-43-7			
p-CHLOROBENZOTRIFLUORIDE	= 13 g/kg (Rat)	> 2 mL/kg (Rabbit)	= 33 mg/L (Rat) 4 h
98-56-6			
METHYL ACETATE	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	> 49000 mg/m³ (Rat) 4 h
79-20-9			
TITANIUM DIOXIDE	> 10000 mg/kg (Rat)	N/A	N/A
13463-67-7			
XYLENE(PURE)	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
1330-20-7			

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
NATURAL WOLLASTONITE 13983-17-0	N/A	Group 3	N/A	N/A
p-CHLOROBENZOTRIFLU ORIDE 98-56-6	N/A	Group 2B	N/A	Х
TITANIUM DIOXIDE 13463-67-7	N/A	Group 2B	N/A	X
TALC 14807-96-6	N/A	Group 2B Group 3	N/A	Х

SYNTHETIC AMORPHOUS SILICA (PRECIPITATED) 112926-00-8	N/A	Group 3	N/A	N/A
XYLENE(PURE) 1330-20-7	N/A	Group 3	N/A	N/A

Legend:

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

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 Repeated

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

Toxicity to Fish

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Taxisity to donbnia and other

exposure.

Target Organ Effects Central nervous system (CNS), Central Vascular System (CVS), Eyes, Lungs, Peripheral

Nervous System (PNS), 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) 950 mg/kg
ATEmix (dermal) 7437 mg/kg
ATEmix (inhalation-dust/mist) 2.9 mg/l

ATEmix (inhalation-dust/mist)

Oral LD50

Dermal LD50

2.9 mg/l

2669 mg/kg (rat) Estimated

14556 mg/kg (rat) Estimated

Inhalation LC50 198219 mg/l (mist) (dust) mg/m³ Estimated

Taxiaity to Algae

Inhalation LC50

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chamical Name

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other
			aquatic invertebrates
METHYL AMYL KETONE	N/A	126 - 137: 96 h Pimephales	N/A
110-43-0		promelas mg/L LC50 flow-through	
p-CHLOROBENZOTRIFLUORIDE	N/A	3: 96 h Danio rerio mg/L LC50	3.68: 48 h Daphnia magna mg/L
98-56-6		semi-static	EC50
METHYL ACETATE	120: 72 h Desmodesmus	250 - 350: 96 h Brachydanio rerio	1026.7: 48 h Daphnia magna mg/L
79-20-9	subspicatus mg/L EC50	mg/L LC50 static 295 - 348: 96 h	EC50
		Pimephales promelas mg/L LC50	
		flow-through	
TALC	N/A	100: 96 h Brachydanio rerio g/L	N/A
14807-96-6		LC50 semi-static	
XYLENE(PURE)	N/A	13.1 - 16.5: 96 h Lepomis	0.6: 48 h Gammarus lacustris mg/L
1330-20-7		macrochirus mg/L LC50	LC50 3.82: 48 h water flea mg/L
		flow-through 13.5 - 17.3: 96 h	EC50
		Oncorhynchus mykiss mg/L LC50	
		2.661 - 4.093: 96 h Oncorhynchus	
		mykiss mg/L LC50 static 23.53 -	
		29.97: 96 h Pimephales promelas	
		mg/L LC50 static 30.26 - 40.75: 96	
		h Poecilia reticulata mg/L LC50	
		static 7.711 - 9.591: 96 h Lepomis	
		macrochirus mg/L LC50 static 13.4:	
		96 h Pimephales promelas mg/L	
		LC50 flow-through 19: 96 h Lepomis	
		macrochirus mg/L LC50 780: 96 h	
		Cyprinus carpio mg/L LC50	

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	semi-static 780: 96 h Cyprinus carpio mg/L LC50	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
METHYL AMYL KETONE	1.98
110-43-0	
p-CHLOROBENZOTRIFLUORIDE	3.7
98-56-6	
METHYL ACETATE	0.18
79-20-9	
XYLENE(PURE)	3.15
1330-20-7	

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
XYLENE(PURE)	Included in waste stream: F039	N/A
1330-20-7		

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	
METHYL ACETATE	Toxic	
79-20-9	Ignitable	
XYLENE(PURE)	Toxic	
1330-20-7	Ignitable	

14. TRANSPORT INFORMATION

DOT

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28

Description UN1263, Paint, 3, II, RQ

Emergency Response Guide 128

Number

TDG

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Description UN1263, Paint, 3, II

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MEX

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Description UN1263, Paint, 3, II

ICAO

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Special Provisions A3, A72

Description UN1263, Paint, 3, II

<u>IATA</u>

UN-No UN1263
Hazard class 3
Packing Group II
ERG Code 3L

Special Provisions A3, A72, A192

IMDG/IMO

UN-No UN1263
Hazard class 3
Packing Group II
EmS-No F-E, S-E
Special Provisions 163, 367

RID

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II
Classification Code F1

Description UN1263, Paint, 3, II

ADR/RID

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II
Classification Code F1
Tunnel restriction code (D/E)

 Special Provisions
 163, 640C, 650, 367

 Description
 UN1263, Paint, 3, II, (D/E)

ADR/RID-Labels 3

ADN

Proper shipping name Paint Hazard class 3
Packing Group II
Classification Code F1

Special Provisions 163, 640C, 650 **Description** UN1263, Paint, 3, II

Hazard Labels 3 Limited Quantity (LQ) 5 L Ventilation VE01

15. REGULATORY INFORMATION

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International Inventories

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

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 %
XYLENE(PURE)	1330-20-7	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
XYLENE(PURE)	1330-20-7	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
XYLENE(PURE)	100 lb	N/A	N/A	X

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)
XYLENE(PURE)	100 lb	N/A	RQ 100 lb final RQ RQ 45.4 kg final RQ

State Regulations

California Proposition 65

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This product contains the following Proposition 65 chemicals

Chemical Name	CAS No	California Proposition 65
p-CHLOROBENZOTRIFLUORIDE	98-56-6	Carcinogen
TITANIUM DIOXIDE	13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

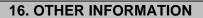
Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
METHYL AMYL KETONE	Χ	Χ	X	N/A	N/A
BARIUM SULFATE	Χ	X	X	N/A	N/A
p-CHLOROBENZOTRIFLU	N/A	Х	N/A	N/A	N/A
ORIDE					
METHYL ACETATE	Χ	Х	X	N/A	N/A
TITANIUM DIOXIDE	Χ	X	X	N/A	Х
TALC	Χ	X	X	X	N/A
SYNTHETIC AMORPHOUS	Χ	X	X	N/A	N/A
SILICA (PRECIPITATED)					
XYLENE(PURE)	X	X	X	X	N/A
BUTYL ACETATE	Χ	Χ	X	N/A	N/A

International Regulations

Mexico - Grade

Serious risk, Grade 3

Chemical Name	Carcinogenic Status	Exposure Limits
METHYL AMYL KETONE	N/A	Mexico: TWA 50 ppm
BARIUM SULFATE	N/A	Mexico: TWA 10 mg/m ³
p-CHLOROBENZOTRIFLUORIDE	N/A	Mexico: TWA 2.5 mg/m ³
METHYL ACETATE	N/A	Mexico: TWA 200 ppm
		Mexico: TWA 610 mg/m ³
		Mexico: STEL 250 ppm
TITANIUM DIOXIDE	N/A	Mexico: TWA 10 mg/m ³
TALC	N/A	Mexico: TWA 2 mg/m ³
		Mexico: STEL 2 mg/m ³
XYLENE(PURE)	N/A	Mexico: TWA 100 ppm
		Mexico: STEL 150 ppm



NFPA Health Hazard 2 Flammability 3 Instability 0 Physical and Chemical Hazards -



Health Hazard 1 * Flammability 3 Physical Hazard 0 Personal protection X

Chronic Hazard Star Legend * Chronic Health Hazard

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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.

end



SAFETY DATA SHEET

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

Product Code: 17036CEH Product Name: CURING SOLUTION, EPOXY PRIMER PART

0

Hentzen Coatings, Inc. 6937 West Mill Road, Milwaukee, WI 53218-1225 Company Phone Number: 1-414-353-4200 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)

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Flammable Liquids	Category 2

Label Elements

Emergency Overview

DANGER

Hazard Statements

Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
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

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

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

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

Wear protective gloves/protective clothing/eye protection/face protection

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 skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

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

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

- · May be harmful in contact with skin
- · Toxic to aquatic life with long lasting effects
- · Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains a known or suspected carcinogen

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Chemical Name	CAS No	Weight-%	ACGIH	OSHA
p-CHLOROBENZOTRIFLUORIDE	98-56-6	50% - 60%	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³ F
ISOPROPYL ALCOHOL	67-63-0	10% - 20%	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³
BENZYL ALCOHOL	100-51-6	1% - 5%	N/A	N/A
TRIETHYLENETETRAMINE(TETA)	112-24-3	0% - 1%	N/A	N/A

4. FIRST AID MEASURES

First Aid Measures

General advice Show this safety data sheet to the doctor in attendance. If symptoms persist, call a

physician.

Eye Contact If symptoms persist, call a physician. 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.

Skin Contact Remove and wash contaminated clothing and gloves, including the inside, before re-use. If

skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and

shoes.

Inhalation Remove to fresh air. Consult 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. Immediate medical attention is not required. Move to fresh

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air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

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Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a

physician immediately.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and

Effects

No information available.

Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons. 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

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. 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. Keep people away from and

upwind of spill/leak. 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). Use with local exhaust ventilation. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe vapor or mist. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. Use only non-sparking tools.

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Conditions for safe storage, including any incompatibilities

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

containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks and

flame.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

NIOSH IDLH **Chemical Name** ACGIH **OSHA** p-CHLOROBENZOTRIFLUORIDE TWA: 2.5 mg/m3 F TWA: 2.5 mg/m³ F IDLH: 250 mg/m3 F 98-56-6 ISOPROPYL ALCOHOL STEL: 400 ppm TWA: 400 ppm IDLH: 2000 ppm TWA: 200 ppm TWA: 980 mg/m³ TWA: 400 ppm 67-63-0 TWA: 980 mg/m³ STEL: 500 ppm STEL: 1225 mg/m3

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** Odor No data available Ha No data available Flash Point 53 °F / 12 °C 177 °F / 81 °C **Decomposition temperature** No data available **Boiling Point** Melting Point / Melting Range No data available **Freezing Point** 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 density No data available Specific Gravity 1.12

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Evaporation Rate No data available Water solubility No data available

Dynamic viscosity
No data available
Weight per Gallon (lbs/gal): 9.30
EPA VOC (lb/gal) 2.90

Flammability Limits in Air

Upper 0 % Lower 0 %

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

Thermal decomposition can lead to release of irritating gases and vapors.

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
p-CHLOROBENZOTRIFLUORIDE 98-56-6	= 13 g/kg (Rat)	> 2 mL/kg(Rabbit)	= 33 mg/L (Rat) 4 h
ISOPROPYL ALCOHOL 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h
BENZYL ALCOHOL 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
TRIETHYLENETETRAMINE(TETA) 112-24-3	= 2500 mg/kg (Rat)	= 550 mg/kg (Rabbit)	N/A

Information on toxicological effects

Symptoms No information available.

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

Sensitization MUTAGENIC EFFECTSNo information available.
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
p-CHLOROBENZOTRIFLU	N/A	Group 2B	N/A	X
ORIDE		-		
98-56-6				
ISOPROPYL ALCOHOL	N/A	Group 3	N/A	X

67-63-0 **Legend:**

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 2B - Possibly Carcinogenic to Humans

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

X - Present

Reproductive Toxicity
Specific target organ systemic

No information available. No information available.

toxicity (single exposure)
Specific target organ systemic

No information available.

toxicity (repeated exposure)

Chronic Toxicity

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated

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exposure.

Target Organ Effects

Central nervous system (CNS), Eyes, Respiratory system, Skin, Central Vascular System

(CVS), Lungs, Peripheral Nervous System (PNS).

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) 5035 mg/kg
ATEmix (dermal) 2237 mg/kg
ATEmix (inhalation-dust/mist) 30 mg/l

Oral LD50 6793 mg/kg (rat) Estimated Dermal LD50 2945 mg/kg (rat) Estimated

Inhalation LC50 135116 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	
p-CHLOROBENZOTRIFLUORIDE 98-56-6	N/A	3: 96 h Danio rerio mg/L LC50 semi-static	3.68: 48 h Daphnia magna mg/L EC50	
ISOPROPYL ALCOHOL 67-63-0	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 static 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50	
BENZYL ALCOHOL 100-51-6	N/A	10: 96 h Lepomis macrochirus mg/L LC50 static 460: 96 h Pimephales promelas mg/L LC50 static	23: 48 h water flea mg/L EC50	
TRIETHYLENETETRAMINE(TETA) 112-24-3	2.5: 72 h Desmodesmus subspicatus mg/L EC50 20: 72 h Pseudokirchneriella subcapitata mg/L EC50 3.7: 96 h Pseudokirchneriella subcapitata mg/L EC50	495: 96 h Pimephales promelas mg/L LC50 570: 96 h Poecilia reticulata mg/L LC50 semi-static	31.1: 48 h Daphnia magna mg/L EC50	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
p-CHLOROBENZOTRIFLUORIDE	3.7
98-56-6	
ISOPROPYL ALCOHOL	0.05

67-63-0	
BENZYL ALCOHOL	1.1
100-51-6	
TRIETHYLENETETRAMINE(TETA)	-1.4
112-24-3	

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

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
ISOPROPYL ALCOHOL	Toxic
67-63-0	Ignitable

14. TRANSPORT INFORMATION

DOT

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28

Description UN1263, Paint, 3, II

Emergency Response Guide 128

Number

TDG

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Description UN1263, Paint, 3, II

MEX

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Description UN1263, Paint, 3, II

ICAO

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II

Special Provisions A3, A72

Description UN1263, Paint, 3, II

IATA

UN-No UN1263

Hazard class 3
Packing Group II
ERG Code 3L

Special Provisions A3, A72, A192

IMDG/IMO

 UN-No
 UN1263

 Hazard class
 3

 Packing Group
 II

 EmS-No
 F-E, S-E

 Special Provisions
 163, 367

RID

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II
Classification Code F1

Description UN1263, Paint, 3, II

ADR/RID

UN-No UN1263
Proper shipping name Paint
Hazard class 3
Packing Group II
Classification Code F1
Tunnel restriction code (D/E)

Special Provisions163, 640C, 650, 367DescriptionUN1263, Paint, 3, II, (D/E)

ADR/RID-Labels 3

<u>ADN</u>

Proper shipping name Paint
Hazard class 3
Packing Group II
Classification Code F1

Special Provisions 163, 640C, 650 **Description** UN1263, Paint, 3, II

Hazard Labels 3
Limited Quantity (LQ) 5 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

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

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

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)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	CAS No	California Proposition 65
p-CHLOROBENZOTRIFLUORIDE	98-56-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
p-CHLOROBENZOTRIFLU	N/A	X	N/A	N/A	N/A
ORIDE					
ISOPROPYL ALCOHOL	Χ	X	Х	N/A	N/A
TRIETHYLENETETRAMINE	Χ	Х	Х	N/A	N/A
(TETA)					

International Regulations

Mexico - Grade Serious risk, Grade 3

Chemical Name	Carcinogenic Status	Exposure Limits
p-CHLOROBENZOTRIFLUORIDE	N/A	Mexico: TWA 2.5 mg/m ³
ISOPROPYL ALCOHOL	N/A	Mexico: TWA 200 ppm
		Mexico: STEL 400 ppm

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 3 Instability 0 Physical and Chemical Hazards -



HMIS Health Hazard 1 * Flammability 3 Physical Hazard 1 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.

end