



SDS/User Guide



V-PREP³**3-in-1 Concrete Cleaner | Degreaser | Etcher**

1 Gallon – VPRP1 – 00859564006146

5 Gallon – VPRP5 – 00859564006153

Product Name (120) –

Vital Coat V-PREP³ 1 gal. concentrated industrial grade 3-in-1 cleaner, degreaser and etcher for concrete and masonry surfaces.

Product Description

Vital Coat V-PREP³ 3-in-1 cleaner is a concentrated cleaner, degreaser and etcher that is designed to deeply penetrate and effectively clean, degrease and remove stains from concrete, brick or masonry. It quickly dissolves mortar, scale, rust, efflorescence, algae, and tough stains caused by mold and mildew. It is an industrial eco-friendly grade cleaner that utilizes a detergent, degreaser, and hydrochloric acid. It is a safe alternative to muriatic acid, and contains no toxic heavy metals, or ozone depleting solvents. It will open the pores of the concrete drawing the impurities to the top to be rinsed away. In addition, it assists in delivering a higher bond strength to exterior concrete acrylic sealers. product also serves as an extremely effective etching agent to prepare concrete and masonry surfaces prior to any sealing or coating projects. It is also the best choice for surface preparation prior to secondary application such as coloring, staining or decorative concrete overlays. This cleaner, degreaser and etcher is user friendly and easier to use than the traditional muriatic acid products.

Vital Coat V-PREP³ is perfect for use prior to application of new sealer in concrete parking lots, garages with oil stains, warehouse floors, retail floors, pool decks, stone, concrete or brick pavers, driveways, sidewalks, restaurants, transit platforms, and fueling pads.

V-PREP³ 3-in-1 cleaner is a concentrated cleaner, degreaser and etcher that is designed to deeply penetrate and effectively clean, degrease and remove stains from concrete, brick or masonry. It quickly dissolves mortar, scale, rust, efflorescence, algae, and tough stains caused by mold and mildew. It is an Eco-friendly industrial grade cleaner that utilizes a detergent, degreaser, and hydrochloric acid. It is a safe alternative to muriatic acid, and contains no toxic heavy metals, or ozone depleting solvents. is also the premier surface preparation material for any secondary coloring upon decorative concrete overlays, as well as decorative concrete staining.



Benefits

- Concentrated - makes up to 5 gallons
- Deep penetrating - will penetrate deep into the substrate to effectively clean, degrease and remove stains from concrete, brick or masonry.
- Removes efflorescence
- Safer alternative than muriatic acid.

Coverage

Coverage 450 – 600 sq. ft. per gallon*

*Coverage depends upon surface porosity and product dilution ratios.

Limitations

Vital Coat V-PREP³ is designed to effectively clean, degrease and remove stains from most all concrete, brick or masonry surfaces. It also serves as an etching agent to clean and etch concrete and masonry surfaces prior to applying any penetrating sealers or topical coatings. It may cause slight discoloration on darker surfaces. This product may damage vegetation or may etch glass, vinyl, aluminum, plastic, wood, and metal. The company does not warranty specific performance results or compatibility with products manufactured by others. The Company shall bear no liability, other than replacement of defective product. A small test must be conducted prior to application. Based upon this test, the purchaser shall determine for themselves the suitability of this product for the intended use.

Packaging

It is available in 1, & 5 Gallon Containers. Delivery Restrictions May Apply

Product Specifications

Appearance	Green Liquid
Odor	Mild Acid Odor
pH	12.0-13.0
Corrosive	Yes
Application Temperature	32°F - 90°F (0°C – 32°C)
Pot Life	6 Months under optimum storage conditions



Flash Point	Not Flammable
Solubility	Soluble with Water
Storage	Store in a Cool Dark Area. Keep Out of Reach of Children.
Clean Up	Rinse with Water

General Instructions.

Before using this product read the Technical Data Sheet (TDS) and the Safety Data Sheet (SDS) found at www.vitalcoat.com. Apply in temperatures above freezing and below 90°F (32°C). V-PREP³ is a concentrated solution and must be diluted with water. Dilute product with water at the recommended mixing ratios in accordance with the mixing charts found in the Technical Data Sheet (TDS). DO NOT use a hose to fill water into container or sprayer with **V-PREP³** as it will create bubbling. Always tighten lid thoroughly after use.

General Surface Preparation

Remove as much contamination from the surface as possible prior to using. Cover any incompatible materials before application. Do not mix or add any other chemical to this product. A small test must be conducted prior to application. Based upon this test, the purchaser shall determine for themselves the suitability of this product for the intended use.

Mixing

V-PREP³ is concentrated solution. Mix equal parts of **V-PREP³** with proper quantity of equal parts of water to achieve targeted dilution ratio. The formula for proper dilution should be:
(Water : V-PREP³)

Example: A **2:1** target ratio equals 2-parts water to 1-part **V-PREP³**. A mixture using a 2:1 ratio to create 3 gallons' total would require 2 gallons of water combined with 1 gallon of **V-PREP³**.

Recommended Mix Ratios

GENERAL CONCRETE CLEANING 1. Dilute V-PREP³™ 2:1 with water 2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle. 3. Apply evenly the 2:1 diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer. 4. While still wet with product, rub concrete with a stiff bristle-broom. 5. Before V-PREP³ dries, rinse with a garden hose or power wash with a fan-tipped pressure washer.

SURFACE PREPARATION ON EXTERIOR CONCRETE 1. Dilute V-PREP³™ 2:1 with water 2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle. 3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer. 4. While still wet with product, rub concrete with a stiff bristle-broom 5. Before V-PREP³ dries, power wash with minimum 3,000 PSI (21,000 kPa) pressure washer equipped with a turbo-tip.



SURFACE PREPARATION ON INTERIOR CONCRETE 1. Dilute V-PREP^{3™} 2:1 with water 2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle. 3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer. 4. While still wet with product, rub concrete with black pad on a rotational floor machine 5. Keep floor wet with frequent rinsing. 6. Mop residue until rinse water is clear or utilize water extraction equipment.

CLEANING OVERLAY PRIOR TO COLORING OR SEALING 1. Dilute V-PREP^{3™} 4:1 with water 2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle. 3. Apply evenly 4:1 diluted product across surface of overlay. Best results are achieved by spraying from an acid-resistant pump-up sprayer. 4. While still wet with product, gently brush surface with a soft bristle broom 5. Before V-PREP³ dries, gently rinse with a garden hose or power wash with a fan-tipped pressure washer.

PREPPING XS PRECAST AND XS FACE 1. Dilute V-PREP^{3™} 3:1 with water 2. Wet XS piece with water from pump-up sprayer or sponge. 3. Brush or sponge 3:1 diluted product onto vertical edges of XS pieces first. 4. Spray or sponge 3:1 diluted product from acid-resistant pump-up sprayer onto surface. 5. While still wet with product, gently brush surface with a soft bristle brush. 6. Rinse immediately. Do not allow diluted product to stand on the surface.

CLEANING STAMPING TOOLS AND MOLDS 1. Dilute V-PREP^{3™} 4:1 with water 2. Dampen stamping tools or molds with water from mist of pump-up sprayer or sponge. 3. Spray 4:1 diluted product from acid-resistant pump-up sprayer onto tools or molds. 4. While still wet with V-PREP³, gently brush surface with a stiff bristle brush. 5. Before V-PREP³ dries, completely rinse surface. *NOTE: stronger dilution rates may be required for adequate profile. Power troweled concrete may require V-PREP³ to be used straight. In some cases, proper surface preparation will require mechanical surface preparation (e.g. grinding, shot blasting).

SUITABILITY SAMPLE Due to condition-specific sites, always prepare an adequate number of test areas. Wear protection system and include aesthetic suitable for products' intended use. On-site sample approval is especially critical for a substantial, heavy traffic situation or custom coloration.

Application

Once diluted and mixed, dampen surface to be cleaned with water. Apply a generous amount of cleaner to saturate the surface. It can be applied with a pump sprayer, brush or sponge. Before the surface dries, scrub V-PREP³ with stiff bristle broom and then rinse thoroughly with water.

Precautions

Store in a cool, dark place and transport in an upright position. Always test an inconspicuous area on surfaces that are susceptible to corrosive, dulling and bleaching effects. For example: fabric, color, paving, high gloss paint and untreated metals. Wear old clothing. 30 Seconds will discolor clothes. Do not let 30 Seconds dry on glass. Rinse plant foliage and metals within 10



minutes of application. Keep out of reach of children. Use in a ventilated area. Do not mix other household chemicals. In case of eye skin contact, flush immediately with water for at least 15 minutes. Seek medical attention if irritation persists. If swallowed, drink plenty of water, do not induce vomiting and call a physician immediately. Do not allow to enter lakes or streams. Keep out of reach children

Warranty

Warranty of this product, when used per the directions, is limited to refund of purchase price or replacement of product (if defective), at manufacturers' or seller's option. See complete warranty details at www.vitalcoat.com



This product can expose you to chemicals including Methylene Chloride and Ethylbenzene, which are known to the State of California to cause cancer, and Methanol and Toluene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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SAFETY DATA SHEET

Issuing Date 22-Sep-2020

Revision Date 03-Sep-2020

Revision Number 1

NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name V-Prep3 Concrete Sealer, Degreaser, Etcher

Other means of identification

Product Code(s) 1602202

Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Cleaner - Non-aerosol

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification NxTech Holdings LLC

Address 2172 Arendell Way
Tallahassee
FL
32308
US

Telephone Phone:844-284-2858
Fax:850-671-2643

E-mail keith@vitalcoat.com

Emergency telephone number

Company Emergency Phone Number 844-284-2858 (Option 2)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
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Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

Appearance Green

Physical state Liquid

Odor Acidic

GHS Label elements, including precautionary statements

Danger

Hazard statements

Harmful if swallowed

Harmful if inhaled

Causes severe skin burns and eye damage

May be corrosive to metals



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dusts or mists

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

Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

Specific treatment (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

Skin

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

Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

Ingestion

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

Rinse mouth

Do NOT induce vomiting

Spill

Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up
Store in corrosion resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Unknown acute toxicity 12 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

12 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Supplier Trade Secret	-	10 - 20%	-	-

4. FIRST AID MEASURES

Description of first aid measures

General advice

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

Inhalation

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical advice/attention.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of

contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. FIRE-FIGHTING MEASURES

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

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.

Other Information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

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

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

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name		ACGIH TLV		OSHA PEL		NIOSH IDLH			
Supplier Trade Secret		Ceiling: 2 ppm		(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m³ Ceiling: 5 ppm Ceiling: 7 mg/m³		IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m³			
Chemical name		Alberta		British Columbia		Ontario TWAEV		Quebec	
Supplier Trade Secret		Ceiling: 2 ppm Ceiling: 3 mg/m³		Ceiling: 2 ppm		CEV: 2 ppm		Ceiling: 2 ppm	

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Face protection shield.

Hand protection

Wear suitable gloves. Impervious gloves.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Green
Odor	Acidic
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	1.5		
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air		None known	
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Relative density	1.2		
Water Solubility	Soluble in water	None known	
Solubility(ies)	No data available	None known	
Partition coefficient: n-octanol/water ¹			
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.

Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Exposure to air or moisture over prolonged periods. Excessive heat.
Incompatible materials	Oxidizing agent. Acids. Bases.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. Harmful by inhalation.
Eye contact	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.
Ingestion	Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Redness. Burning. May cause blindness. Coughing and/ or wheezing.
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Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral)	1,983.30 mg/kg
ATEmix (inhalation-gas)	4,694.19 ppm
ATEmix (inhalation-dust/mist)	4.18 mg/L
ATEmix (inhalation-vapor)	25.00 mg/L

Unknown acute toxicity	12 % of the mixture consists of ingredient(s) of unknown toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	12 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Supplier Trade Secret	238 - 277 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 1.68 mg/L (Rat) 1 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes burns.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Supplier Trade Secret	-	Group 3	-	X

Legend

IARC (International Agency for Research on Cancer)

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	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and Degradability	No information available.
Bioaccumulation	There is no data for this product.
Mobility	No information available.
Other adverse effects	No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
US EPA Waste Number	D002
California Waste Codes	791

14. TRANSPORT INFORMATION**DOT**

UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUIDS, N.O.S.
Hazard Class	8
Packing Group	III
Description	UN1760, CORROSIVE LIQUIDS, N.O.S. (HYDROCHLORIC ACID), 8, III
Emergency Response Guide Number	154

TDG

UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III

MEX

UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III

ICAO

UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III

IATA

UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
ERG Code	8L

Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III
IMDG/IMO	
UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
EmS-No.	F-A, S-B
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III
RID	
UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Classification code	C9
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III
ADR/RID-Labels	8
ADR	
UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Classification code	C9
Tunnel restriction code	(E)
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III, (E)
ADN	
UN-No.	UN1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Hazard Class	8
Packing Group	III
Classification code	C9
Special Provisions	274
Description	UN1760, CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID), 8, III
Hazard Labels	8
Limited Quantity	5 L

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA Contact supplier for inventory compliance status.
DSL/NDL Contact supplier for inventory compliance status.

EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - 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
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.	Weight-%	SARA 313 - Threshold Values %
Supplier Trade Secret -		10 - 20%	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (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
Supplier Trade Secret	5000 lb			X

CERCLA

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
Supplier Trade Secret	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret	X	X	X	X	X

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3	Flammability 0	Physical hazards 0	Personal Protection X

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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 of Safety Data Sheet