



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** RETROGRIND™ - Part A **Date Prepared:** 8/28/14  
**General Use:** Concrete Cutting and Polishing Compound  
**Product Description:** Clear to slightly opaque liquid, apple scent  
**Supplier Name and Address:** Curecrete Distribution, Inc., 1203 West Spring Creek Place, Springville, UT 84663 USA  
**Phone Number:** (801) 489-5663  
**Emergency Telephone Number: (800) 633-8253 | International Emergency Number: Call Collect (801) 629-0667**

## SECTION 2 - HAZARDS IDENTIFICATION

### Emergency Overview

Mildly acidic liquid, prolonged contact may cause skin and eye irritation. Ingestion may cause gastric distress. Hazard Symbols for this product - Xi, Phrases - R 36/37/38.

### Potential Health Effects

Inhalation: Breathing concentrated vapors may cause irritation of respiratory tract.  
 Skin: Prolonged contact may cause irritation.  
 Eyes: Contact with eyes will cause irritation.  
 Ingestion: May cause gastric distress, vomiting and diarrhea.  
 Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	% (by weight)	OSHA PEL		ACGIH TWA		RQ LBS
				PPM	MG/M <sup>3</sup>	PPM	MG/M <sup>3</sup>	
Proprietary ingredient (a)	Not specified	Not specified	10 - 30		6			

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

(a) The specific product is not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by the on-duty physician calling the emergency information number listed above. Reference 29 CFR 1910.1200 and/or 40 CFR 350.

## SECTION 4 - FIRST AID MEASURES

**Inhalation:** Removed affected person to fresh air; if symptoms persist, seek medical attention.

**Skin:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**Eyes:** Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**Ingestion:** Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL:</b> Not applicable	<b>UEL:</b> Not applicable
Non-flammable	<b>Autoignition Temperature:</b> Not determined	<b>NFPA CLASS:</b> None	

**General Hazards:** Product is slightly acidic. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

**Extinguishing Media:** Carbon dioxide, water, water fog, dry chemical, chemical foam.

**Fire Fighting Procedures:** Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Material is slightly acidic and will irritate the eyes if product is allowed to directly contact the eyes.

**Unusual Fire and Explosion Hazards:** None.

**Hazardous Combustion Products:** Smoke, fumes or vapors, oxides of carbon.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Released or Spilled:** Material is slightly acidic and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

## SECTION 7 - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storage:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** The use of local exhaust ventilation is recommended. Use corrosion-resistant ventilation equipment.

### Personal Protection:

Respiratory Protection - None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Respiratory protection must be provided in accordance with OSHA regulations (29 CFR 1910.134) or European Standard EN 149, as applicable.

Protective Gloves - Neoprene, butyl or nitrile rubber gloves with cuffs.

Eye Protection - Chemical splash goggles. Eye protection must be provided in accordance with OSHA regulation (29 CFR 1910.133), ANSI Z87.1, or European Standard EN 166, as applicable.

Other Protective Clothing or Equipment - Coveralls, apron, or other equipment should be worn to minimize skin contact, safety eyewash station nearby.

Work/Hygienic Practices - Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor:</b> Clear, water-white liquid, odorless	<b>Vapor Density (Air = 1):</b> >1
<b>Specific Gravity (Water = 1):</b> 1.039 - 1.042	<b>Evaporation Rate (Water = 1):</b> <1
<b>Solubility in Water:</b> Complete	<b>% Volatile (By Weight):</b> Not specified
<b>pH:</b> 6 - 7	<b>Vapor Pressure:</b> 17 mm Hg @ 20° C
<b>Boiling Point:</b> 212° F (100° C)	<b>Freezing Point:</b> 32° F (0° C)
<b>Viscosity:</b> Like that of water	<b>Volatile Organic Compounds (VOCs):</b> Less than 50 g/L

## SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b> Stable <u>X</u> Unstable ___	<b>Conditions to Avoid:</b> Extreme temperatures.
<b>Incompatibility (Materials to Avoid):</b> Strong oxidizers, strong acids.	
<b>Hazardous Decomposition or Byproducts:</b> Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.	
<b>Hazardous Polymerization:</b> May Occur ___ Will Not Occur <u>X</u>	<b>Conditions to Avoid:</b> None

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Proprietary ingredient (a)	Not specified	Not specified	> 5000 mg/kg, Oral - rat	Not established

## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations. Refer to 40 CFR 260-299 for complete waste disposal regulations for acidic materials. Consult your local, state, or federal agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Non-Hazardous for transport	
DOT HAZARD CLASS/Pack Group: Not regulated	IATA HAZARD CLASS/Pack Group: Not regulated
REFERENCE: Not applicable	IMDG HAZARD CLASS: Not regulated
UN/NA IDENTIFICATION NUMBER: None	RID/ADR Dangerous Goods Code: Not regulated
LABEL: None required	UN TDG Class/Pack Group: Not regulated
HAZARD SYMBOLS: None	Hazard Identification Number (HIN): None

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

## SECTION 15 - REGULATORY INFORMATION

**TSCA (Toxic Substance Control Act):** All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):** 311/312 Hazard Categories - None. 313 Reportable Ingredients: None.

**CERCLA (Comprehensive Response Compensation and Liability Act):** None.

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:** There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

**CPR (Canadian Controlled Products Regulations):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: Not controlled.


**IDL (Canadian Ingredient Disclosure List):** Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

**DSL/NDL (Canadian Domestic Substances List/Non-Domestic Substances List):** Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances):** Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

**WGK Water Quality Index:** nwg

**VbK Index:** Not applicable

Risk Phrases	SYMBOL(S) REQUIRED FOR LABEL	Safety Phrases
R36/37/38 Irritating to eyes, respiratory system and skin.	Irritant 	S2 Keep out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## SECTION 16 - OTHER INFORMATION

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

### HMIS HAZARD RATINGS

HEALTH	1	* = Chronic Health Hazard	2 = Moderate
FLAMMABILITY	0	0 = Insignificant	3 = High
PHYSICAL HAZARD	0	1 = Slight	4 = Extreme

PERSONAL PROTECTIVE EQUIPMENT C Safety Glasses, Gloves, Apron

### REVISION SUMMARY

This MSDS has been revised in the following sections: No changes noted.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** RETROGRIND™ - Part B

**Date Prepared:** 8/28/14

**General Use:** Catalyzing Agent

**Product Description:** Opaque bluish liquid, characteristic odor

**Supplier Name and Address:** Curecrete Distribution, Inc., 1203 West Spring Creek Place, Springville, UT 84663 USA

**Phone Number:** (801) 489-5663

**Emergency Telephone Number:** (800) 633-8253 | **International Emergency Number:** Call Collect (801) 629-0667

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	% (by weight)	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M <sup>3</sup>	PPM	MG/M <sup>3</sup>		
No hazardous materials present as defined in 29 CFR 1910.1000, 40 CFR 260-281, 302, 355, 370, 372 or WHMIS.								

## SECTION 3 - HAZARDS IDENTIFICATION

**Emergency Overview:** Mild liquid, prolonged contact may cause eye irritation. Ingestion may cause gastric distress. Hazard symbols for this product - XI

### Potential Health Effects:

Inhalation - none expected, however, certain individuals may be sensitized and experience minor nausea or headaches.

Skin - None expected, however, prolonged contact may cause irritation.

Eyes - This product is an eye irritant. Contact with the eyes will cause irritation.

Ingestion - May cause gastric distress, vomiting and diarrhea.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 4 - FIRST AID MEASURES

**Inhalation:** Removed affected person to fresh air; if symptoms persist, seek medical attention.

**Skin:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**Eyes:** Remove contact lenses. Flush eyes with water for 15 minutes; if irritation persists, seek medical attention.

**Ingestion:** Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL:</b> Not applicable	<b>UEL:</b> Not applicable
Non-flammable	<b>Autoignition Temperature:</b> Not determined	<b>NFPA CLASS:</b> None	

**General Hazards:** Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

**Extinguishing Media:** Carbon dioxide, water, water fog, dry chemical, chemical foam.

**Fire Fighting Procedures:** Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

**Unusual Fire and Explosion Hazards:** None.

**Hazardous Combustion Products:** Smoke, fumes, oxides of carbon.

## SECTION 6 - ENVIRONMENTAL RELEASE MEASURES

**Steps to be Taken in Case Material is Released or Spilled:** Small spills - wash to sanitary sewer with plenty of water. Large spills - soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water.

## SECTION 7 - HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storage:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** The use of local exhaust ventilation is recommended. No other special controls are indicated.

### Personal Protection:

Respiratory Protection (Specify Type) - None required.

Protective Gloves - None required.

Eye Protection - Recommended for general protection.

Other Protective Clothing or Equipment - Safety eyebath nearby.

Work/Hygienic Practices: Practice safe workplace habits.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Vapor Pressure (MM Hg):</b> Not determined	<b>Vapor Density (Air = 1):</b> Not determined
<b>Specific Gravity (Water = 1):</b> 1.000	<b>Evaporation Rate (Water = 1):</b> <1
<b>Solubility in Water:</b> Complete	<b>Freezing Point:</b> 32° F (0° C)
<b>pH:</b> 7.5 - 8.0	<b>Appearance and Odor:</b> Opaque liquid, characteristic odor
<b>Boiling Point:</b> 212° F (100° C)	<b>Physical State:</b> Liquid
<b>Viscosity:</b> Not determined	<b>Volatile Organic Compounds (Total VOCs):</b> None

## SECTION 10 - STABILITY AND REACTIVITY

<b>Stability:</b> Stable <u>X</u> Unstable <u>   </u>	<b>Conditions to Avoid:</b> Extreme temperatures, keep from freezing
<b>Incompatibility (Materials to Avoid):</b> Strong oxidizers, strong acids	
<b>Hazardous Decomposition or Byproducts:</b> Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.	
<b>Hazardous Polymerization:</b> May Occur <u>   </u> Will Not Occur <u>X</u>	<b>Conditions to Avoid:</b> None

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Ingredients	%	CAS #	LD50 of Ingredient (Specify Species & Route)	LC50 of Ingredient (Specify Species)
No hazardous materials present as defined in 29 CFR 1910.1000, 40 CFR 260-281, 302, 355, 370, 372 or WHMIS.				

## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with Local, State and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

### SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not regulated	
HAZARD CLASS/Pack Group: None/None	IATA HAZARD CLASS/Pack Group: None
REFERENCE: Not Applicable	IMDG HAZARD CLASS: None
IDENTIFICATION NUMBER: None	RID/ADR Dangerous Goods Code: None
LABEL: None Required	Canadian TDG Class/Division: None
	Hazard Symbols: None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

### SECTION 15 - REGULATORY INFORMATION

**TSCA (Toxic Substance Control Act):** Components of this product are listed on the TSCA Inventory.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):** 311/312 Hazard Categories - Acute health, possible eye irritation. 313 Reportable Ingredients: None.

**CERCLA (Comprehensive Response Compensation and Liability Act):** None.

**CPR (Canadian Controlled Products Regulations):** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**IDL (Canadian Ingredient Disclosure List):** Components of this product listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**EINECS (European Inventory of Existing Commercial Chemical Substances):** Components of this product are on the European Inventory of Existing Commercial Chemical Substances.

#### EC Risk Phrases

Risk Phrases	EC Safety Phrases
R36 Irritating to eyes.	S2 Keep out of the reach of children. S25 Avoid contact with eyes.

### SECTION 16 - OTHER INFORMATION

No specific notes.

#### HMIS HAZARD RATINGS

HEALTH	1	0 = Insignificant	3 = High
FLAMMABILITY	0	1 = Slight	4 = Extreme
REACTIVITY	0	2 = Moderate	
PERSONAL PROTECTIVE EQUIPMENT	A	Safety Glasses	

#### REVISION SUMMARY

This MSDS has been revised in the following sections: No revisions available.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.