CRETEFILL PRO 85 CC

1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **CreteFill Pro 85 Part B Grizzle Gray CC**

Supplier Details: Curecrete Distribution, Inc.
1203 Spring Creek Place
Springville, UT 84663

Phone: 801-489-5663
Fax: 801-489-3307
Web: www.curecrete.com
Emergency: 800-633-8253 (US & Canada) | 801-629-0667 (Intl)

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Skin sensitization, 1
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 2
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

GHS Hazard Statements:

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P330 - Rinse mouth.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P501 - Dispose of contents/container to an approved waste disposal plant.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin;

Target Organs: Respiratory system; Skin; Eyes; Lungs;

Inhalation: Heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or pumping) operations of this blend may generate more vapor or aerosol concentrations of its components. Amines can produce severe respiratory tract irritation. This will be experienced as a discomfort in the nose, throat and chest, with nasal discharge, cough, headache and difficulty with breathing. Prolonged or repeated contact may result in lung damage.

Skin Contact: Prolonged contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.

Eye Contact: Will cause irritation on contact. Symptoms from amine exposure include watering or discomfort of the eyes with marked excess redness and swelling. Severe exposure could produce chemical burns of the cornea.

Ingestion: Amines can cause severe irritation and possible chemical burns of the mouth, throat, esophagus and stomach with pain or discomfort in the mouth, throat, chest and abdomen. Symptoms include, nausea, vomiting, diarrhea, dizziness, thirst, circulatory collapse and coma. Aspiration may occur during swallowing or vomitting, resulting in lung damage

3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	%	Chemical Ingredients: Chemical Name:
25322-69-4	30-50%	Polypropylene glycols
5285-60-9	1-20%	Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)-
68479-98-1	1-5%	Benzenediamine, ar,ar-diethyl-ar-methyl-
13463-67-7	<2%	Titanium dioxide
1333-86-4	<2%	Carbon black

4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

Skin Contact: Remove contaminated clothing immediately. Wash with large quantities of soap and water. Wash clothing before reuse. Seek medical attention if redness, burning or an itcing sensation develops or persisits after the area is washed.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician.

Ingestion: Seek immediate medical attention. Immediately give two glasses of water. Do not induce vomiting unless prompted to do so by a medical professional. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flammability: OSHA - none; DOT - none
Flash Point: >359°F
Flash Point Method: Pensky-Martens closed cup (ASTM D-93)
Burning Rate: N/A
Autoignition Temp: NDA
LEL: N/A
UEL: N/A

Use dry chemical, foam, carbon dioxide, halogenated agents or water. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. A solid stream of water directed into the hot burning liquid could cause frothing. If possible, contain fire run-off water.

Protective Equipment: Positive-pressure self-contained breathing apparatus with full face-piece and full protective clothing should be worn by fire-fighters.

Combustion may produce carbon dioxide, carbon monoxide, nitrogen oxides, and ammonia.

6 ACCIDENTAL RELEASE MEASURES

Spill: Isolate and confine spill area. Remove all sources of ignition sources like flames, heating elements, gas engines, etc.

Use non-sparking tools. Emergency clean-up personnel should select the specific respirator based on contamination levels found. Use air purifying respirator equipped with full-face organic vapor cartridge if vapors are detected, or are irritating. In areas of high concentrations, fresh air-line respirators or self-contained breathing apparatus and protective clothing should be used. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.
Clean up: With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors

7 HANDLING AND STORAGE

Handling Precautions:

Handling: Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations
Special Emphasis for Spray Applications of Mixed Products Containing Isocyanates: Inspect the application area from the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

Storage Requirements:

Storage: When stored between 15° and 30°C (60° and 85°F) in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

General/local ventilation typically control vapor levels very adequately. Uses requiring heating or spraying may require more ventilation or PPE.

Personal Protective Equipment:

Polypropylene glycols cas#:(25322-69-4) [30-50%]

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of

protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

Carbon black cas#:(1333-86-4) [<2%]

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Polypropylene glycols cas#:(25322-69-4) [30-50%]

Components with workplace control parameters

TWA	10 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

Carbon black cas#:(1333-86-4) [<2%]

Components with workplace control parameters

TWA	3.5 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

Not classifiable as a human carcinogen

TWA	3.5 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	3.5 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	3.5 mg/m3	USA. NIOSH Recommended Exposure Limits

TWA 0.1 mg/m3 USA. NIOSH Recommended Exposure Limits
Potential Occupational Carcinogen
Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)
See Appendix C
See Appendix A

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pigmented liquid.		
Physical State:	Liquid	**Odor:**	ammonia-like
Spec Grav./Density:	8.63 lbs/gal	**Molecular Formula:**	N/A
Viscosity:	Not determined	**Solubility:**	Not determined
Boiling Point:	>500°F	**Percent Volatile:**	0
Flammability:	None	**Freezing/Melting Pt.:**	Not determined
Vapor Pressure:	0.9 mmHG @ 68°F	**Flash Point:**	>359°F
Evap. Rate:	<1	**Vapor Density:**	not determined
		Auto-Ignition Temp:	NDA

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: No specific data
Materials to Avoid: No specific data
Hazardous Decomposition: Under normal storage conditions hazardous decomposition products should not be produced.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Polypropylene glycols cas#:(25322-69-4) [30-50%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - > 2,000 mg/kg
Inhalation: no data available

LD50 Dermal - rabbit - male - > 3,000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (Directive 67/548/EEC, Annex V, B.5.)

Respiratory or skin sensitisation: in vivo assay - mouse Result: Does not cause skin sensitisation. (OECD Test Guideline 429)

Germ cell mutagenicity: Ames test S. typhimurium Result: negative

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: TR5250000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Carbon black cas#:(1333-86-4) [<2%]

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - male and female - > 8,000 mg/kg (OECD Test Guideline 401)
Inhalation: no data available

LD50 Dermal - rabbit - > 3,000 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: - guinea pig Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)

Germ cell mutagenicity: Ames test S. typhimurium Result: negative

Hamster ovary
DNA repair rat - female

Carcinogenicity:
Carcinogenicity - rat - Inhalation:
Tumorigenic:Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.
Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: FF5800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Polypropylene glycols cas#:(25322-69-4) [30-50%]

Information on ecological effects

Toxicity:
Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h.
(OECD Test Guideline 203)
Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - 105.8 mg/l - 48 h.
other aquatic (OECD Test Guideline 202) invertebrates
Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h.
(OECD Test Guideline 201)
Toxicity to bacteria EC50 - Sludge Treatment - > 1,000 mg/l - 3 h.
(OECD Test Guideline 209)

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 86.6 % - Readily biodegradable. (OECD Test Guideline 301F)

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Carbon black cas#:(1333-86-4) [<2%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h.
Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h.
other aquatic (OECD Test Guideline 202) invertebrates

Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l -:
72 h (OECD Test Guideline 201)

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14 TRANSPORT INFORMATION

DOT - Not regulated in the United States via road or rail

IMDG/IATA/ICAO - UN3082, Environmentally hazardous substance, liquid, n.o.s., (4,4'-methylenebis[N-sec-butylaniline], Diethyltoluenediamine), 9, PG III

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[30-50%] Polypropylene glycols (25322-69-4) TSCA, TSCAACTV

[1-20%] Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)- (5285-60-9) TSCA, TSCAACTV

[1-5%] Benzenediamine, ar,ar-diethyl-ar-methyl- (68479-98-1) TSCA, TSCAACTV

[<2%] Titanium dioxide (13463-67-7) MASS, OSHAWAC, PA, SVHC, TSCA, TSCAACTV, TXAIR

[<2%] Carbon black (1333-86-4) MASS, OSHAWAC, PA, PROP65, SVHC, TSCA, TSCAACTV, TXAIR

WARNING

This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size), Ethylbenzene, Cumene, and Naphthalene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer

and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Regulatory Code Legend
----------------------------------------------------------------
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PROP65 = CA Prop 65
RQ = Reportable Quantity
SVHC = Contains a substance on the REACH/SVHC List
TSCA = Toxic Substances Control Act
TSCAACTV = TSCA Active Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
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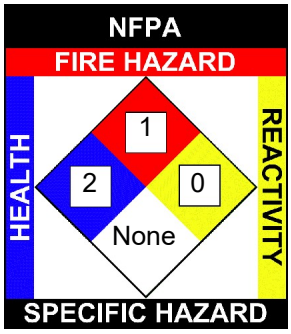
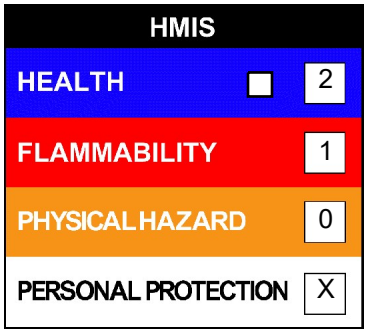
16 OTHER INFORMATION

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = None
HMIS III: Health = 2, Fire = 1, Physical Hazard = 0
HMIS PPE: X - Consult your supervisor for special instructions





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