

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/22/2023

Reviewed on 12/22/2023

1 Identification

- **Product identifier**
- **Trade name:** RF Strip & Prepare
- **Application of the substance / the mixture** Floor Stripper
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier**
CureCrete
1203 Spring Creek Place
Springville, UT 84663

Tech Support (801) 489-5663
- **Information department:** Technical Services
- **Emergency telephone number:**
(800) 633-8253 (United States/Canada)
+1 (801) 629-0667 International Emergency Number

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Skin Corrosion 1B H314 Causes severe skin burns and eye damage.
Eye Damage 1 H318 Causes serious eye damage.



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.
Acute Toxicity - Dermal 4 H312 Harmful in contact with skin.
Acute Toxicity - Inhalation 4 H332 Harmful if inhaled.

Flammable Liquids 4 H227 Combustible liquid.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger
- **Hazard-determining components of labeling:**
2-aminoethanol
Benzyl alcohol
2-butoxyethanol

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- **Hazard statements**

Combustible liquid.
Harmful if swallowed, in contact with skin or if inhaled.
Causes severe skin burns and eye damage.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 3
Fire = 2
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 3
Fire = 2
Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 100-51-6 Benzyl alcohol	30-60%
CAS: 141-43-5 2-aminoethanol	30-60%
CAS: 111-76-2 2-butoxyethanol	7-13%

- **Non-hazardous ingredients**

CAS: 1300-72-7 sodium xylenesulphonate	1-5%
CAS: 68131-39-5 Alcohols, C12-15, ethoxylated	1-5%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately rinse with water.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** Immediately call a doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
CAS: 100-51-6 Benzyl alcohol: 30 ppm
CAS: 141-43-5 2-aminoethanol: 6 ppm
CAS: 111-76-2 2-butoxyethanol: 60 ppm
- **PAC-2:**
CAS: 100-51-6 Benzyl alcohol: 52 ppm
CAS: 141-43-5 2-aminoethanol: 170 ppm
CAS: 111-76-2 2-butoxyethanol: 120 ppm
- **PAC-3:**
CAS: 100-51-6 Benzyl alcohol: 740 ppm
CAS: 141-43-5 2-aminoethanol: 1,000 ppm
CAS: 111-76-2 2-butoxyethanol: 700 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 - CAS: 100-51-6 Benzyl alcohol**
WEEL Long-term value: 10 ppm
 - CAS: 141-43-5 2-aminoethanol**
PEL Long-term value: 6 mg/m³, 3 ppm
REL Short-term value: 15 mg/m³, 6 ppm
Long-term value: 8 mg/m³, 3 ppm
TLV Short-term value: 6 ppm
Long-term value: 3 ppm
 - CAS: 111-76-2 2-butoxyethanol**
PEL Long-term value: 240 mg/m³, 50 ppm
Skin
REL Long-term value: 24 mg/m³, 5 ppm
Skin
TLV Long-term value: 20 ppm
BEI, A3
- **Ingredients with biological limit values:**
 - CAS: 111-76-2 2-butoxyethanol**
BEI 200 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: Butoxyacetic acid (BAA) (with hydrolysis)
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Green
Odor:	Fruit-like
Odor threshold:	Not determined.

pH-value:

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	170 °C (338 °F)

Flash point: 65 °C (149 °F)

Flammability (solid, gaseous): Not applicable.

Auto igniting: 240 °C (464 °F)

Decomposition temperature: Not determined.

Ignition temperature: Product is not selfigniting.

Danger of explosion: Not determined.

Explosion limits:

Lower:	1.1 Vol %
Upper:	13 Vol %

Vapor pressure at 20 °C (68 °F): 1.2 hPa (0.9 mm Hg)

Vapor pressure at 50 °C (122 °F): 5.3 hPa (4 mm Hg)

Density at 20 °C (68 °F): 1.02 g/cm³ (8.5119 lbs/gal)

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· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	67-133 %
VOC content:	67-100 % 1,356.6 g/l / 11.32 lb/gal
Solids content:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
- CAS: 100-51-6 Benzyl alcohol**
- Oral LD50 1,230 mg/kg (rat)
- Dermal LD50 2,000 mg/kg (rabbit)
- Inhalative LC50/4h 11 g/m3 (ATE)
- CAS: 141-43-5 2-aminoethanol**
- Oral LD50 2,050 mg/kg (rat)
- Dermal LD50 1,000 mg/kg (rabbit)
- Inhalative LC50/4h 11 g/m3 (ATE)
- CAS: 111-76-2 2-butoxyethanol**
- Oral LD50 1,200 mg/kg (ATE)
- 1,480 mg/kg (rat)
- Dermal LD50 400 mg/kg (rab)
- Inhalative LC50/4h 3 g/m3 (ATE)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

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- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
CAS: 111-76-2 2-butoxyethanol: 3
- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN2491
- **UN proper shipping name**
- **DOT** Ethanolamine solutions
- **IMDG, IATA** ETHANOLAMINE SOLUTION

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· Transport hazard class(es)

· DOT



· Class 8 Corrosive substances
 · Label 8

· IMDG, IATA



· Class 8 Corrosive substances
 · Label 8
 · Packing group III
 · DOT, IMDG, IATA III
 · Environmental hazards: Not applicable.
 · Special precautions for user Warning: Corrosive substances
 · Hazard identification number (Kemler code): 80
 · EMS Number: F-A,S-B
 · Segregation groups (SGG18) Alkalis
 · Stowage Category A
 · Segregation Code SG35 Stow "separated from" SGG1-acids
 · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
 · Transport/Additional information:
 · DOT
 · Quantity limitations On passenger aircraft/rail: 5 L
 On cargo aircraft only: 60 L

· IMDG
 · Limited quantities (LQ) 5L
 · Excepted quantities (EQ) Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation": UN 2491 ETHANOLAMINE SOLUTION, 8, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 No further relevant information available.
- **Sara**
- **Section 355 (extremely hazardous substances):**
 None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
 CAS: 111-76-2 2-butoxyethanol
- **TSCA (Toxic Substances Control Act):**
 All components have the value ACTIVE.

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- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

CAS: 111-76-2 2-butoxyethanol: NL

- **TLV (Threshold Limit Value)**

CAS: 111-76-2 2-butoxyethanol: A3

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

2-aminoethanol

Benzyl alcohol

2-butoxyethanol

- **Hazard statements**

Combustible liquid.

Harmful if swallowed, in contact with skin or if inhaled.

Causes severe skin burns and eye damage.

- **Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Do not breathe dusts or mists.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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

If swallowed: Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

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/doctor.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

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Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Technical Services· **Contact:**· **Date of preparation / last revision** 12/22/2023· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Corrosion 1B: Skin corrosion/irritation – Category 1B

Eye Damage 1: Serious eye damage/eye irritation – Category 1

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