SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name : GRIPTREAT
Product Use : Surface preparation for mineral surfaces
Restrictions on use : Do not use product for anything outside of the above specified uses
Manufacturer/Supplier: CoverTec Products LLC
10821 NW 50th Street
Sunrise, FL 33351
United States of America
Product Information : 754-223-2465
Transport Emergency : INFOTRAC: +1-800-535-5053
Revision Date: NA
Preparation Date: 08/25/2018

SECTION 2 – HAZARDS IDENTIFICATION

2.1 GHS Classification:
Physical Hazards Oxidizing Liquids
Health Hazards Skin Corrosion/Irritation
2.2 GHS Label Elements, including Precautionary Statements
2.2.1 Pictogram(s)

2.2.2 **Signal word** WARNING
2.2.3 **Hazard(s) Statement(s)**
H302 Harmful if swallowed

2.2.4 Precautionary Statement(s)
P102 Keep out of reach of children.
P103 Read label before use.

2.2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common name and synonyms	CAS Number	%
Glycol Ether EB (Butyl)		111-76-2	Trade Secret
Hydrofluoric acid 40%		7664-39-3	<1.0
Nitric acid (v) 40%		7697-37-2	<1.0

SECTION 4 – FIRST AID MEASURES

Description of First-Aid measures

General advice: Move out of dangerous area. Rapid action is critical to minimize possible health injury. Consult a Physician. Show this Safety Data Sheet to the doctor in attendance.
Eye Contact: Immediately flush eyes with water for 15 minutes while holding eyelids open. Seek medical attention in the event of adverse reaction or if symptoms worsen.
Skin Contact: In case of irritation, wash affected area with soap and water. Seek medical attention in the event of adverse reaction or if symptoms worsen.
Ingestion: Seek medical attention if ingestion occurs.
Inhalation: Product not hazardous by inhalation, but if respiratory distress occurs remove victim to fresh air and seek medical attention

SECTION 5 – FIRE FIGHTING MEASURES

General information: Hydrofluoric acid diluted to 1% is non-combustible material. Cover foam accidents hazard areas. People taking part in fire protection action should be provided with breathtaking apparatus. In the fire caustic and toxic vapors, gases and smokes are emitted. Nitric acid (V) diluted to 1,0% is non-combustible material. Tanks exposure to high temperature or fire may be ruptured. For fire-extinguishing water should not be used. Diluted Glycol Ether EB (Butyl) alcohol is non-combustible material. Please use alcohol and fire-extinguishing powders resistant foams... In case of large mouth Burns do not provoke vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General information: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
Personal precautions: Avoid contact with spilled material. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Remember about molecular(P2) an gas (yellow color – E) filters working time limit.
Specific recommendation: No action shall be taken involving any personal risk or without suitable training. Protect sewers. Inform the relevant authorities if the product has caused environment al pollution. Gathering spilled material should be making mechanically and with cooperation with chemical neutral absorbent materials (mineral sorbent).

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling
Do not store in unmarked containers. Use adequate personal protection equipment when transferring to other containers.
Use reasonable care handling containers/packages.
Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry and well-ventilated area.
Storage class: Non-combustible **(TRGS 510).**

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical solutions: General- essential to proper transport, storage and using substance. Well ventilated work areas and magazines. Technical, appropriate containment to avoid environmental contamination.

Total allowable concentration for substance in working Area (NDS):

Chemical name	NDS (mg/m3)	NDSCh (mg/m3)	Total allowable concentrate in blood (F)
Hydrofluoric acid	0.5	2	0.1-4µg/cm3
Nitric acid (V)	1.4	2.6	

Mass care tools: Well ventilated work areas and magazines.
Personal protection:

- Hands: Chemical and anti acid resistant, impervious gloves
- Eyes: Safety eyewear, chemical splash goggles.
- Skin and body: personal protective, anti acid equipment. Anti acid shoes.

Another information: comply general hygiene rules. Do not eat and drink during work. After work clean hands precisely. Change contaminated clothes. Avoid directly contact with body and respiratory tract with substance. Broads eliminate immediately.
Assessment methods in work environment: in accordance with relevant local legislation.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Liquid
Color Clear
Odor None
Specific Gravity @ 25 C 1.024

Viscosity: Not determined
Freezing/Melting point: Not determined
Boiling point:> 213 °F (> 100 °C)
Solubility in water: Complete pH <2.5
Volatile content: Not determined
Flash point: N/A. Non-flammable.
Evaporation rate: Not determined
Auto-ignition temperature: N/A
Flammable NO
Vapor pressure: Not determined
Vapor density: Not determined
Decomposition temperature: Not determined
Shelf life:1 Year in unopened container

SECTION 10 – STABILITY AND REACTIVITY

Stability and reactivity: Hydrofluoric acid till 1,0% concentration is chemically active, corrodes metals and take reaction with most of metals with hydrogen emission what cause explosion. With oxides and hydroxides makes fluorides. In reactions with lot of compounds toxic gases are emitted e.g. hydrogen sulfide, hydrogen cyanide, arsine, chlorine and others.
Diluted nitric acid (V) is very strong acid, non-compostable material. Nitric acid vapors do not make explosive mixture, dissolve most of metals. React energetically with water and thermal dis charge.
Ethoxylated alcohol Reach with strong oxidants, in normal environment- stabile product. In appropriate packaging and using dangerous reactions should not happen. Strong oxidation product.
Isopropyl alcohol- In normal environment stabile product, avoid high temperatures, avoid contact with strong oxidants, caustics, amines,. Aggress aluminum and iron. Corrosion properties: strong

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes, skin, inhalation, ingestion.
Special Remarks on Toxicity to Animals: not determined.
Special Remarks on Chronic Effects on Humans: Not determined.
Mutagen etic Effects: Not determined.
Numerical measures of toxicity: Not determined.

Eyes	Contact may cause mild irritation
Skin	Not Expected to be irritating or sensitizing
Ingestion	Low ingestion hazard; oral toxicity not expected. May cause upset stomach, nausea, vomiting
Inhalation	No inhalation hazard
Chronic Effects	No chronic health effects.
Carcinogenicity	Not expected to be carcinogenic

SECTION 12 – ECOLOGICAL INFORMATION

Essential exposure routes: skin, respiratory tract, eyes, consumption
Respiratory tract: shortness of breath with cough and chest pain. In dangerous cases- apnea with frizzle saliva. Vapors can provoke inflammation of respiratory tract and cause conjunctivae and mucosa irritation, bronchus and pulmonary inflammation even loss of consciousness.
Skin contact: May cause pain and reddening.
Eyes contact: Vapors and liquids causes conjunctivae and cornea compromised. After delicate contact with diluted preparate may cause redness, irritation, lachrymation, burning.
Consumption: can occur vomiting, stomachache, diarrhea, decreased, convulsions, alimentary tract perforation.
Chronic exposure: May cause decalcification.

SECTION 13 – DISPOSAL CONSIDERATIONS

Do not reuse containers.

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Regulated
UN/ID No. 3264
Proper shipping name Acids and alcohols aqueous solution (mixture)
Hazard Class 8 Corrosive
Packing Group III

SECTION 15 – REGULATORY INFORMATION

Contents of this SDS comply with the OSHA Hazards Communication Standard 29 CFR 1910.1200.
TSCA Status: All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
EPA SARA Title III Chemical Listings
Section 302 Extremely Hazardous Substances: None Section 404 CERCLA Hazardous Substances: None
Section 311/312 Hazard Class:
Acute: No. Chronic: No. Fire: No.
Pressure: No. Reactive: No.
Section 313 Toxic Chemicals: None present or none present in regulated quantities.
Supplemental state Compliance Information: California
This product contains no chemicals listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

SECTION 16– OTHER INFORMATION

HMIS HAZARD CLASSIFICATION
HEALTH: 1 FLAMMIBILITY: 0 REACTIVITY: 2 PERSONAL PROTECTIVE EQUIPMENT: B