8115 Loop 540, Beasley, TX 77417
Toll Free: 1-855-FINORIC (1-855-346-6742)
Email: info@finoric.com • www.finoric.com

BF-7 SDS MSDS Sheet, Material Safety Data Sheet

Section 1: Product Identification

CAS No.: Mixture
EINECS EC Number: Mixture
Relevant identified uses: For Industrial use.
Details of the supplier: As per letter head.

SUPPLIER
Company: Finoric LLC
Address: 8115 Loop 540, Beasley, Texas, 77417 USA

In case of emergency contact:
InfoTrac
US: 1-800-535-5053
International: 352-323-3500

Section 2: Hazard Identification

GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910
Classification according to Regulation (EC) No 1272/2008

Corrosive to Metals Category 1
Acute toxicity, oral Category 4
Skin corrosion/irritation Category 1A, B, C
Hazardous to the aquatic environment, acute hazard Category 3

Labeling according Regulation (EC) No 1272/2008

GHS Label Elements

Corrosive

Signal Words: Danger

Hazard statements:
H290: May be corrosive to metals
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H402: Harmful to aquatic life

Precautionary statements:
P234: Keep only in original container.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash … 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.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P362: Take off contaminated clothing and wash before reuse.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P390: Absorb spillage to prevent material damage.
P404: Store in a closed container.
P405: Store locked up.
P501: Dispose of contents/container to authorized agents only.

Classification according to EU Directives 67/548/EEC or 1999/45/EC:
C Corrosive
R-22 Harmful if swallowed.
R35 Causes severe burns.

Section 3: Composition / Information on Ingredients

List of Hazardous Ingredients:

Ingredient 1: Potassium Hydroxide
CAS No.: 1310-58-3
EINECS EC Number: 215-181-3
Percent: 20 - 40%

Chemical Name: Potassium Carbonate
CAS#: 584-08-7

EINECS EC Number: 209-529-3
Percent:30 - 50%

Ingredient-3--: Water and Non-hazardous additives.
Percent:30 - 60%

Section 4: First Aid Measures

Always seek medical attention after first aid measures are provided.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eye with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse..
Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to and unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Medical Conditions generally Aggravated by Exposure: Repeated exposure of the eyes to a low level of dust/mist can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust/mist can produce varying degree of respiratory irritation or lung damage.

Section 5: Fire Fighting Measures

Flash Point: NA
Fire Extinguishing Media: Adapt extinguishing media to the environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures: Wear self contained breathing apparatus for firefighting if necessary.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may be produced on prolong contact with metals such as aluminum, tin lead and zinc.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal. Comply with local, state and Federal regulations on reporting releases. Refer to regulatory information for reportable quantity and other regulatory data.
Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: dry sand/earth or powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Small quantities of liquid spill may be neutralize with acid solution. Wash away neutralized product with plentiful water. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.
Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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Section 7: Handling and Storage

Keep in a tightly closed original container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Containers of may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Do not store with aluminum or magnesium. Do not mix with acids or organic materials.

Section 8: Exposure Controls / Personal Protection

Components with workplace control parameters

For Potassium Hydroxide:
Derived No Effect Level (DNEL):
Application Area: Workers & Consumers
Exposure routes: Inhalation
Health effect Value, Long-term local effects: 1 mg/m3
USA ACGIH: 2 mg/m³ ACGIH Ceiling (mg/m³)
USA OSHA: 2 mg/m³
Britain EH40: 2 mg/m³ OEL Stel (mg/m³)
Engineering Controls: Ventilation required.
Personal Protection Equipment: Respiratory protection: If workplace exposure limit (s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirator (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering controls should be implemented to reduce exposure.
Protective gloves: Nitrile or equivalent.
Skin protection: Impervious, protective clothing.
Eye protection: Safety glasses with side shields must be worn at all times.
Additional clothing and/or equipment: Eyewash and safety equipment should be readily available.
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 Physical and Chemical Properties

Appearance: It is clear liquid.
Odor: Odorless.
Solubility: Soluble in water.
Specific Gravity: 1.45 to 1.50
pH: 13 to 14 (0.1 molar solution)
% Volatile by volume @ 21C (70F): 0
Boiling Point: NA
Melting Point: NA

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Section 10: Stability and Reactivity

Stability: It is stable under ordinary conditions of use and storage. Absorbs atmospheric CO2.
Reactivity: Violent exothermic reaction with strong acids. Reacts with some metals to release hydrogen.
Materials to Avoid (Incompatibility): Acids, chlorinated hydrocarbons, oxidizing agents, metals and organic materials, Nitro compounds, Organic materials, Magnesium, Copper, reacts violently with:, Metals, Light metals, Contact with aluminum, tin and zinc liberates hydrogen gas. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts., vigorous reaction with:, Alkali metals, Halogens, Azides, Anhydrides
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Corrosive to all tissues. It is a severe eye, skin, and respiratory tract irritant, and can burn any tissue with which it comes in contact. Contact with eye may cause redness, intense pain, and tearing. In severe cases, conjunctival edema and destruction of cornea may occur, which may result in permanent damage to the eye. It is a severe skin irritant, and contact with the skin can cause effects ranging from irritation to burns with deep and painful lesions. Burns may not be immediately painful. The onset of pain after contact may take minutes to hours; however, damage begins immediately.
Extremely hazardous in case of eye contact (corrosive). Causes severe eye burns. Extremely hazardous in case of skin contact (corrosive). Skin contact produces severe burns. Hazardous in case of skin contact (permeator). Extremely hazardous in case of inhalation (lung corrosive). Hazardous in case of inhalation. Extremely hazardous in case of ingestion. May be fatal if swallowed.
Results of component toxicity test performed:
For Potassium Hydroxide:
LD50 Oral - Rat - 333 mg/kg
LD50 Skin-Rabbit - 1260 mg/kg
For Potassium Carbonate:
LD50 Oral - rat - 1.870 mg/kg
LD50 (Dermal Rabbit) Not Determined

No component of this product is classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Section 12: Ecological Information

Toxicity to fish:
For Potassium Hydroxide:
LC50 Gambusia affinis (Mosquito fish): 80 mg/l; 96 h (IUCLID)
For Potassium Carbonate:
LC50 - Pimephales promelas (fathead minnow) - < 510 mg/l - 96 h

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Expected to be highly toxic to aquatic organisms and ecosystems due to effects on pH. Harmful effect due to pH shift. Neutralization possible in waste water treatment plants. Discharge into the environment must be avoided.

Section 13 Disposal Considerations

Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging must be disposed of as unused product.

Section 14: Transportation Information

US DOT & ADR/RID:
Proper shipping name: Potassium Hydroxide, Solution
Hazard Class: 8
Packaging group: II
UN Number: UN1814
IATA:
Proper shipping name: Potassium Hydroxide, Solution
Hazard Class: 8
Packaging group: II
UN Number: UN1814
IMO:
Proper shipping name: Potassium Hydroxide, Solution
Hazard Class: 8
Packaging group: II
UN Number: UN1814

Section 15: Regulatory Information

USA:
Sara 311/312: Immediate Health Hazard, Chronic Health Hazard
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
California Prop 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Canada WHMIS: CLASS E: Corrosive solid. D1B Toxic materials

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Section 16: Other Information

Prepared by AJK on 1 January 2015 - Printed on: 25 January 2020

EINECS EC Number: 215-185-5
C Corrosive
R-22 Harmful if swallowed.
R35 Causes severe burns.
H290: May be corrosive to metals
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H402: Harmful to aquatic life

Prepared by AJK on 23 January 2017 - Printed on: 25 January 2020

Disclaimer:
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The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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