

Voltreet FP-20

SDS Number: 0180

Revision Date: 4/16/2020

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Alliance Group Inc. 262-251-4977
N114 W18621 Clinton Drive
Germantown, WI 53022

Phone: 800-255-3924**Emergency:** CHEMTEL

Product Identifier: Voltreet FP-20
SDS Number: 0180
Revision Date: 4/16/2020
Product Use: Water Treatment Compound

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 corrosion/irritation, 1 B
Health, Respiratory or skin sensitization, 1 Skin
Health, Acute toxicity, 4 Inhalation
Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label Elements, Including Precautionary Statements**GHS Signal Word:** **DANGER****GHS Hazard Pictograms:****GHS Hazard Statements:**

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P261 - Avoid breathing 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+312 +330+331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if feel unwell
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340+310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.
P305+351+338 + 310- IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call Poison Center or doctor/physician
P332+313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.



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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; Inhalation; Ingestion; Skin.
Target Organs:	Respiratory system; Eyes; Skin; Teeth.
Inhalation:	Can cause severe irritation and inflammation of the respiratory tract.
Skin Contact:	May cause severe irritation and burns. Prolonged and repeated contact, even with dilute concentrations, can cause a high degree of tissue destruction. Large amounts can cause redness, swelling.
Eye Contact:	May cause severe irritation and burns. May cause permanent eye damage, blindness, corneal damage.
Ingestion:	May cause severe irritation and burns if swallowed.

HMIS III: Health = 3(Chronic), Fire = 1, Physical Hazard = 0

HMIS	
HEALTH <input checked="" type="checkbox"/>	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION <input type="checkbox"/>	

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COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
100-37-8	20%	Diethylethanolamine

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FIRST AID MEASURES

Inhalation:	If symptoms develop, move victim to fresh air. Give oxygen or artificial respiration if needed. GET IMMEDIATE MEDICAL ATTENTION.
Skin Contact:	Promptly flush skin with soap and water for 15 minutes. Remove contaminated clothing immediately. Consult a physician.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Continue rinsing eyes during transport to hospital.
Ingestion:	Do NOT induce vomiting. Seek immediate medical attention. If unconscious, take to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious victim. For spontaneous vomiting, keep head below hips.

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FIRE FIGHTING MEASURES

Flammability: Not flammable

Autoignition Temp: 518 F

Fire Fighting Methods

Evacuate area of unprotected personal. Wear protective clothing including NIOSH Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.

Unusual Fire or Explosion Hazards:

Vapors are heavier than air and can settle in low or confined areas. Vapors concentrated in a confined or poorly ventilated



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area can be ignited upon contact with a high energy spark, flame, or high intensity source of heat. This can occur at concentrations ranging between the lower and upper limits listed above. This material may produce a floating fire hazard in extreme fire conditions.

Extinguishing Media

Suitable: Use water spray, alcohol foam, carbon dioxide, dry chemical for fire extinction.

Unsuitable fire extinguisher: No data available

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate area. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.

Spill

Soak up with inert absorbent material and dispose of as hazardous waste. Do not use sawdust or other cellulose-type material. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Use with adequate ventilation. Wash thoroughly after handling. Do not puncture or drop containers. Do not expose containers to open flame, excessive heat, or direct sunlight.

Storage Requirements: CORROSIVE MATERIAL. Store in cool/dry area. Keep away from sunlight, heat, sparks, and flames. Keep away from incompatible materials. Keep container tightly closed. Do not store in unlabeled or mislabeled containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation or other engineering controls are normally required when handling this product to avoid overexposure. Maintain adequate ventilation. Do not use in confined spaces.

Personal Protective Equipment:

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory
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.

Eyes and Face
Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.

Skin
Prevent contact with this product. Wear gloves and protective clothing depending on conditions of use.
Protective gloves: gauntlet-type, neoprene, nitrile.

Component	OSHA PEL	ACGIH TWA/ TLV
Diethylaminoethanol	10 ppm	2 ppm



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9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Water white to light yellow	Odor:	Amine.
Physical State:	Liquid	Molecular Formula:	No data available
Odor Threshold:	No data available.	Solubility:	Dispersible
Particle Size:	No data available	Softening Point:	No data available
Spec Grav./Density:	0.998 @ 20 °C	Percent Volatile:	No data available.
Viscosity:	No data available.	Heat Value:	No data available
Saturated Vapor Concentration:	No data available	Freezing/Melting Pt.:	No data available.
Boiling Point:	No data available.	Flash Point:	No data available.
Flammability:	No data available.	Octanol:	No data available
Partition Coefficient:	No data available	Vapor Density:	No data available
Vapor Pressure:	No data available.	VOC:	40%
pH:	>13	Bulk Density:	No data available
Evap. Rate:	No data available.	Auto-Ignition Temp:	518 F
Molecular weight:	No data available	UFL/LFL:	No data available
Decomp Temp:	No data available.		

10**STABILITY AND REACTIVITY**

Reactivity:	No data available
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Warning: Do not mix this product with nitrites or other nitrosating agents because nitrosamines may be formed. Nitrosamines may cause cancer.
Materials to Avoid:	Strong Oxidizing Agents, acids, sodium hypochlorite, calcium hypochlorite, perchlorates, heat, metals, isocyanates. Reactions with peroxides may result in violent decomposition of peroxide possibly creating an explosion. A reaction accompanied by large heat release occurs when the product is mixed with acids. Heat generated may be sufficient to cause vigorous boiling creating a hazard due to splashing or splattering of hot material.
Hazardous Decomposition:	Burning can produce carbon oxides, nitrogen oxides, ammonia, aldehydes, irritating and/or unknown TOXIC gases. Nitrogen oxides can react with water to form corrosive nitric acid.
Hazardous Polymerization:	Will not occur under normal conditions.

11**TOXICOLOGICAL INFORMATION****Toxicity Data:**

Eye Effects: Corrosive- Causes severe eye irritation and burns. Liquid, aerosols, and high vapor concentration of this product may cause: blurred vision, redness, pain, conjunctivitis, ulcerations, tissue destruction, permanent eye damage, blindness. Exposure to the vapor may cause minor transient edema of the corneal epithelium.

» Diethylaminoethanol - Eyes = Rabbit - severe eye irritation

Skin Effects: Corrosive- Causes severe irritation and burns. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin. Contact may cause necrosis, permanent injury, tissue destruction or dermatitis.

» Diethylaminoethanol - Dermal LD50 - Rabbit = 1113 mg/kg
- Skin corrosion/irritation: rabbit - open irritation test

Inhalation Effects: Corrosive- Cause severe irritation and burns. Vapors and mists may damage: mucous membranes,

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respiratory tract. Vapors or mists may cause: coughing, sore throat, shortness of breath, labored breathing, choking, bronchospasms, chemical pneumonitis, pulmonary edema, death. Effects may be delayed. Chronic exposure may cause: dental erosions, discoloration of teeth, bronchitis, and bronchial emphysema.

» Diethylaminoethanol - Inhalation LC50 - mouse = 5000 mg/m³

Ingestion Effects: Corrosive- Causes severe irritation and burns. May cause damage to the: mouth, throat, esophagus, stomach, gastrointestinal tract. May cause: pain, vomiting, diarrhea, bleeding, labored breathing, burns or perforation of the gastrointestinal tract leading to ulceration and secondary infection, and death. Effects may be delayed. Aspiration into the lungs may cause chemical pneumonia and lung damage.

» Diethylaminoethanol - Oral LD50 - rat = 1300 mg/kg

Carcinogenicity: This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

Mutagenicity: No data available

Teratogenicity: No data available

Fertility Effects: No data available

12**ECOLOGICAL INFORMATION**

Biodegradability No data available.

Ecotoxicity Toxicity to fish:

LC50- *Leuciscus idus* (Golden orfe) - 100-220mg/L- 96 hr

Toxicity to aquatic invertebrates:

EC50- *Daphnia magna* (Water flea) - 83.6 mg/L- 48 hr

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13**DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

RCRA: The RCRA waste code of D002 should be assigned in discussion between the user, the producer, and the waste disposal company.

14**TRANSPORT INFORMATION**

UN3267, Corrosive liquid, basic, organic, n.o.s., 8, PGII, (Diethylaminoethanol)

**15****REGULATORY INFORMATION**

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.



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FEDERAL REGULATIONS

TSCA Inventory Status: All components of this product are listed "Active" on the Toxic Substances Control Act (TSCA) 8 (b) Inventory.

CERCLA / SARA Emergency Reporting A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements.

» **No components require reporting**

Clean Water Act (CWA): The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. » **No components listed**

RCRA: The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes.

» **No components listed**

STATE REGULATIONS

California- Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or reproductive harm

Massachusetts - RTK Substances: The following components are listed: Diethylethanolamine (CAS# 100-37-8)

New Jersey - RTK Substances: The following components are listed: Diethylethanolamine (CAS# 100-37-8)

Pennsylvania - RTK Substances: The following components are listed: Diethylethanolamine (CAS# 100-37-8)

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OTHER INFORMATION

Prepared By: P May

Reason For Revision: Updated GHS & Regulatory Information

Disclaimer:

This information is given in good faith and based on our current knowledge of the product. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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