



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti•lome® Fish Emulsion Fertilizer 5-1-1

SECTION 1: Identification

Product identifier

Product name Ferti•lome® Fish Emulsion Fertilizer 5-1-1

Supplier's details

Name Voluntary Purchasing Groups, Inc.
Address 230 FM 87
Bonham, TX 75418
USA

Telephone 855-270-4776

Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation (chapter 3.2), Cat. 1B

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P264 Wash off thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Safety Data Sheet

Ferti•lome® Fish Emulsion Fertilizer 5-1-1

P363
P304+P340
P305+P351+P338

Wash contaminated clothing before reuse.
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.

Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

1. Phosphoric acid liquid

Concentration	Not specified
EC no.	231-633-2
CAS no.	7664-38-2
Index no.	015-011-00-6

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Dilute acid immediately by drinking large quantities of water or milk. If vomiting persists, administer fluids repeatedly. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

Safety Data Sheet

Ferti•lome® Fish Emulsion Fertilizer 5-1-1

Special protective actions for fire-fighters

Material is not flammable. Possible oxides of carbon (CO/CO₂). Flashpoint: >100°C by ASTM D93.

Remove containers from area of fire, if possible. Avoid inhalation of fumes. Utilize self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

Further information

NIOH/MSHA approved respiratory devices to protect against acid gasses.

General or local exhaust ventilation to maintain employee exposure below the TLV/PEL

Impervious gloves to prevent skin contact

Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

SECTION 6: Accidental release measures

Environmental precautions

Prevent entry in to waters of the State.

Methods and materials for containment and cleaning up

Absorb spilled material with fired clay or other absorbing material, and shovel or sweep up the place in labeled container and seal.

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

SECTION 7: Handling and storage

Precautions for safe handling

NIOH/MSHA approved respiratory devices to protect against acid gasses.

General or local exhaust ventilation to maintain employee exposure below the TLV/PEL

Impervious gloves to prevent skin contact

Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

Eye wash and shower facility should be available.

Conditions for safe storage, including any incompatibilities

Store in a dry, cool, ventilated area, out of direct sunlight.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: (not specified)

Phosphoric acid [1] 2.0% (typical) TLV 1 mg/m³ PEL 1 mg/m³ NIOSH REL 1 mg/m³

:

CAS: 7664-38-2

Phosphoric acid

Cal/OSHA: 1 mg/m³, (ST) 3 mg/m³ PEL inhalation; NIOSH: 1 mg/m³, (ST) 3 mg/m³ REL inhalation; OSHA: 1 mg/m³ PEL inhalation

Appropriate engineering controls

No special engineering controls required.

Safety Data Sheet

Ferti•lome® Fish Emulsion Fertilizer 5-1-1

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Always wear protective eyewear.

Skin protection

General purpose gloves if handling in bulk quantities.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Brown Thick Liquid
Odor	Strong fish
Odor threshold	Not tested
pH	3.5
Melting point/freezing point	<0°C
Initial boiling point and boiling range	100°C
Flash point	> 100°C by ASTM D93
Evaporation rate	Similar to water
Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	Not tested
Vapor density	Not tested
Relative density	
Solubility(ies)	Fully miscible
Partition coefficient: n-octanol/water	Will mix with water - lipophobic
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Specific Gravity (H₂O=1) - 1.115 g/mL

SECTION 10: Stability and reactivity

Reactivity

Non-reactive to acid, base, and water.

Chemical stability

Stable under recommended storage conditions.

Safety Data Sheet

Ferti•lome® Fish Emulsion Fertilizer 5-1-1

Incompatible materials

Strong oxidizers

Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sensitive individuals may exhibit skin irritation. Acidic nature may cause irritation.
No known chronic effects.

Skin corrosion/irritation

Mild irritant to skin.

Serious eye damage/irritation

Mild irritant to eyes.

Respiratory or skin sensitization

Mild sensitization.

Germ cell mutagenicity

Not listed.

Carcinogenicity

Not listed.

Reproductive toxicity

Not listed.

Summary of evaluation of the CMR properties

Not listed.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No known aquatic toxicity.

Persistence and degradability

Material may increase the organic load of water. May decrease pH of water environments.

Bioaccumulative potential

Safety Data Sheet

Ferti•lome® Fish Emulsion Fertilizer 5-1-1

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Absorb spilled material with fired clay or other absorbing material, and shovel or sweep up the place in labeled container and seal.

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

Disposal of contaminated packaging

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

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Phosphoric acid

CAS number: 7664-38-2

New Jersey Right To Know Components

Common name: PHOSPHORIC ACID

CAS number: 7664-38-2

Chemical Safety Assessment

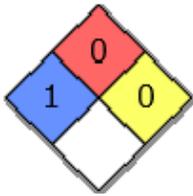
WHMIS, OSHA, SERA, TSCA - Not Listed.

HMIS Rating

Ferti•lome® Fish Emulsion Fertilizer 5-1-1	
	1
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

Safety Data Sheet
Ferti•lome® Fish Emulsion Fertilizer 5-1-1

NFPA Rating



SECTION 16: Other information

The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.