



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Ferti-lome Fish Emulsion Fertilizer 5-1-1**

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### **SECTION 1: Identification**

#### **GHS Product identifier**

Product name	Ferti-lome Fish Emulsion Fertilizer 5-1-1
Product number	10611; 10612; 10614
Brand	Ferti-lome

**Recommended use of the chemical and restrictions on use**  
Specialty liquid plant fertilizer.

#### **Supplier's details**

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

#### **Emergency phone number**

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

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### **SECTION 2: Hazard identification**

#### **General hazard statement**

Causes skin irritation  
Causes serious eye irritation

#### **Classification of the substance or mixture**

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Skin corrosion/irritation, Cat. 1B

#### **GHS label elements, including precautionary statements**

#### **Pictograms**



#### **Signal word**

**Warning**

#### **Hazard statement(s)**

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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.  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 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

Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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## SECTION 3: Composition/information on ingredients

### Substances

#### Hazardous components

Component	Concentration
Phosphoric acid liquid (CAS no.: 7664-38-2; EC no.: 231-633-2; Index no.: 015-011-00-6)	1.87 %

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## 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.

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### Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical

The product is non-reactive under normal conditions of use, storage and transport.

### Special protective actions for fire-fighters

Material is not flammable. Possible oxides of carbon (CO/CO<sub>2</sub>). 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

NIODH/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.

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection. Stop release. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.

### Environmental precautions

Avoid release to the environment.

### 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.

### Reference to other sections

For further information refer to section 8: Exposure controls/personal protection.

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## SECTION 7: Handling and storage

### Precautions for safe handling

NIODH/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.

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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.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

1. Phosphoric acid [1] 2.0% (typical) tlv 1 mg/m<sup>3</sup> pel 1 mg/m<sup>3</sup> niosh rel 1 mg/m<sup>3</sup>  
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### 2. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 1 mg/m<sup>3</sup>, (ST) 3 mg/m<sup>3</sup> (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### Appropriate engineering controls

No special engineering controls required.

### 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).

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## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Brown Liquid
Odor	Strong fish
Odor threshold	Not tested
pH	3.5-3.8
Melting point/freezing point	32°C (89.6°F)
Initial boiling point and boiling range	>100°C (>212°F)
Flash point	> 100°C by ASTM D93
Evaporation rate	Similar to water
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapor pressure	Not tested
Vapor density	Not tested

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Relative density	9.8 lbs/gal
Solubility(ies)	Fully miscible
Partition coefficient: n-octanol/water	Will mix with water - lipophobic
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

### Additional properties

Physical state	Liquid
Color	Brown
Explosive properties	No data available
Oxidizing properties	No data available

### Further safety characteristics (supplemental)

Specific Gravity (H<sub>2</sub>O=1) - 1.115 g/mL

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## SECTION 10: Stability and reactivity

### Reactivity

Non-reactive to acid, base, and water.

### Chemical stability

Stable under recommended storage conditions.

### Incompatible materials

Strong oxidizers

### Hazardous decomposition products

No known hazardous decomposition products.

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## 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

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Not listed.

### Specific target organ toxicity (STOT) - single exposure

No data available.

### Specific target organ toxicity (STOT) - repeated exposure

No data available.

### Aspiration hazard

No data available.

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## 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

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

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.

#### Packaging disposal

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

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

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

#### Massachusetts Right To Know Components

Chemical name: Phosphoric acid

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## Ferti-lome Fish Emulsion Fertilizer 5-1-1

CAS number: 7664-38-2

### New Jersey Right To Know Components

Common name: Phosphoric acid

CAS number: 7664-38-2

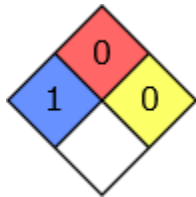
### Chemical Safety Assessment

WHMIS, OSHA, SERA, TSCA - Not Listed.

### HMIS Rating

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

### NFPA Rating



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## 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.

### Further information/disclaimer

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.