Safety Data Sheet

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Pestifoam, Foam Concentrate Product Number: PFM-01, PFM-02, PFM-03

1.2. Intended Use of the Product

Foam, with use of foam generation machine and water, to add in the even distribution of pest control chemicals

1.3. Name, Address, and Telephone of the Responsible Party

Richway Industries, LTD.

504 N Maple St 50647 Janesville, IA T 319-987-2976

1.4. Emergency Telephone Number

Emergency Number : 800-553-2404 Richway Industries, LTD.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315 Eye Irrit. 2A H319 Aquatic Acute 2 H401 Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Warning

Hazard Statements (GHS-US)

H302 - Harmful if swallowed. H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H401 - Toxic to aquatic life.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood. P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel

unwell.

P303+PP353 - IF ON SKIN (or hair): Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or a doctor/physician if you feel unwell.

P321 - Specific treatment, see this label.

P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse..

P401 - Store away from incompatible materials

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2.3. Other Hazards

None known.

2.4. Unknown Acute Toxicity (GHS-US) No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Anionic/nonionic detergent blend	Proprietary	65 85	NA
Hexylene gylcol	(CAS No) 107-41-5	15 - 35	Skin Irrit. 2; Eye Irrit 2A.; H315, H319

Other components below reportable levels Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting without advice from poison control center.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol resistant foam, water fog, carbon dioxide (CO2), dry chemical powder, sand, or earth may be used for small fires only.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special Hazards Arising From the Substance or Mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for Firefighters

Precautionary Measures Fire: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Fire-fighting Equipment/Instruction: In case of fire and/or explosion do not breath fumes. Move containers from fire area if you can do so without risk.

Protection During Firefighting: Use standard firefighting procedure and consider hazards of other involved materials. Hazardous Combustion Products: No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Keep unnecessay personnel away, keep people away and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cananot be contained. For personnel protection, see section 8 of the SDS.

6.2. Environmental Precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water sources or onto the ground. Use appropriate containment to avoid environmental contamination.

6.3. Methods and Material for Containment and Cleaning Up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place in a container for later disposal. Following product recovery, flush area with water.

Small Spill: Wipe up with absorbent material (e/g cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Do not taste or swallow. Avoid contact with eyes or skin. Avoid prolong exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release into the environment. Do not empty into drains.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Occupational Exposure Limits

US ACGIH Threshold Value

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Hexylene Glycol (107-41-5)	Ceiling	25 ppm

No biological exposure limits noted for the ingredients.

8.2. Exposure Controls

Appropriate Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rate should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Emergency eye wash fountains and safety showers should be available when handling this product.









Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear appropriate chemical resistant clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal Hazard: Wear appropriate thermal protective clothing, when necessary.

Other Information: Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and at the er of the working day. When using, do not eat, drink or smoke. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid
Appearance : Pale Yellow
Odor : Mild, sweetish

pH : 8.0 – 9.0 (10%in H2O)

Not available **Evaporation Rate** Not available Melting Point Freezing Point Not available : > 212 Deg. F. **Boiling Point** Flash Point : > 200 Deg. F. Not available Auto-ignition Temperature **Decomposition Temperature** Not available Flammability (solid, gas) Not available Lower Flammable Limit Not available Upper Flammable Limit : Not available Not available Vapor Pressure Relative Vapor Density at 20 °C : Not available Relative Density Not available

Specific Gravity : 1.035

Solubility : Soluble in water
Partition Coefficient: N-Octanol/Water : Not available
Viscosity : Not available
Explosion Data – Sensitivity to Mechanical Impact : Not available
Explosion Data – Sensitivity to Static Discharge : Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity: The product is stable and non-reactive under normal conditions of use, storage, and transportation.
- 10.2. Chemical Stability: Stable under normal conditions.
- 10.3. Possibility of Hazardous Reactions: No dangerous reaction known under normal conditions.
- 10.4. Conditions to Avoid: Contact with incompatible materials. Avoid excess heat source of ignition.
- 10.5. Incompatible Materials: Strong acids, alkalis and oxidizing agents.
- 10.6. Hazardous Decomposition Products: During combustion carbon monoxide and or carbon dioxide may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity: Harmful if swallowed LDSO and LC50 Data: See section 11.2

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory Sensitization: Not available

Skin Sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic
Teratogenicity: Not available

Carcinogenicity US. OSHA Specifically Regulated Substances: Product is not listed

Specific Target Organ Toxicity (Repeated Exposure): No data available

Reproductive Toxicity: Not available

Specific Target Organ Toxicity (Single Exposure): No data available

Aspiration Hazard: No data available

Symptoms: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain to skin.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Hexylene glycol (CAS 107-41-5)			
LD50 Oral, mg/kg > 3700	L D 50 Dermal, mg/kg > 7800	LC50 Vapor, mg/L > 310	

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Not tested.

12.2 Persistence and Degradability

Readily biodegradable

12.3. Bioaccumulative Potential

No data available

12.4. Mobility in Soil

Not available

12.5. Other Adverse Effects

No other adverse environmental effects are expected from this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Collect and reclaim or dispose in sealed container at licensed waste disposal site. This material and its container must be disposed of as a hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used containers. Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Waste from Residual/Unused Product: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in safe manner (see disposal instructions).

13.2. Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated as dangerous materials.

14.2. In Accordance with IATA Not regulated as dangerous materials.

Special precautions for user: Read safety instructions, SDS and emergency procedures

before handling

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CRF1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

US. OSHA Specifically Regulated Substances (29 CFR1910.1001-1050): Not listed

Superfund Amendments and Reauthorization Act of 1988:

Hazard Categories Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemical: Yes

Sara 313:

CAS Number % by weight Chemical name 50-00-0 <.1 Formaldehyde

Clean Air Act Section 112 Hazardous Air Pollutants (HAPs) List: Not Regulated

Clean Air Act Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated

Safe Drinking Water Act (SDWA): Not regulated

15.2. US State Regulations:

US Massachusetts RTK: Not regulated.

US Rhode Island RT: Not regulated. California Proposition 65: WARNING: This product contains a chemical known in the state of California to cause cancer and birth defects or other reproductive harm.

California Proposition 65- CRT: Listed date/Carcinogenic substance: Formaldehyde (CAS 50-00-0) Listed January 1,1988

15.3. International Inventories:

Country or region	Inventory name On Inventor	ry (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Philippines	Philippine Inventory of Chemicals and	Yes
	Chemical substances (PICCS)	
United States and	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico		

A "Yes" indicates that all components of this product comply with the inventory requirements by the governing country(s)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 05/20/15

HMIS Rating : Health - 2, Flammability-1, Physical hazard-0

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

: The information on this SDS was obtained from sources which we believe to be reliable. Disclaimer

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GHS Full Text Phrases:

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A

Skin Irrit. 2	Skin corrosion/irritation Category 2	
H302	Harmful if swallowed	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H401	Toxic to aquatic life	
H412	Harmful to aquatic life with long lasting effects	

Party Responsible for the Preparation of This Document

Richway Industries, LTD. T 319-987-2976

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.