	Section 1 - Product Information					
Product Name: Delyme		Supplier	The Ruhof Corporation			
Product Code: 34507	Information Phone: 1-800-537-8463	Address	393 Sagamore Avenue			
Product Use: Scale Remover	Emergency Contact: 1-800-424-9300 (Chemtrec)	Address	Mineola NY 11434			
Section 2 - Hazards Identification						

GHS Classification Respiratory Sensitization Category 1

Section 2.1 Label Elements

Hazard Pictograms

Prevention

Wear eye/face protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.

In case of inadequate ventilation wear respiratory protection.

• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements

Signal Word: Danger

Hazard Statements: Causes serious eye damage

• IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Section 3 - Composition/Information on Ingredients

		<u> </u>	
Chemical Name	CAS-No	Weight %	Trade secret
Phosphoric Acid	7664-38-2	<25	*

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

May cause sensitization by inhalation Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Explosion Data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE Methods for Cleaning Up

Handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

Storage Keep in properly labeled containers. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION ACGIH TLV NIOSH IDLH Chemical Name OSHA PEL Phosphoric Acid 3 mg/m3 STEL 1 mg/m3 TWA 1 mg/m3 TWA 7664-38-2

Appropriate engineering controls

Engineering Measures Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment







Eve/Face Protection Wear safety goggles.

Skin and Body Protection Lightweight protective clothing. Impervious gloves.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES								
Physical State	Odor	1			ge Boiling Point			
Liquid	Odorless	Appearance Yellow	pH >1.5	Melting Point/Ran No data available	>100C			
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties			
No data available	No data available	No data available	1.2	Soluble	Not Flammable			
No data avaliable	No data available		AND REACTIVITY	Soluble	Not Flammable			
		10. STADILITI	AND REACTIVITI					
	Reactivity		No data available.					
	Chemical stability		Stable under recommended storage conditions.					
1	Hazardous Polymerization	ı	Hazardous polymerization does not occur.					
	Conditions to avoid		Contact with some metals can generate hydrogen gas.					
	Incompatible materials		Alkalis					
Hazardous decomposition products Hydrogen, Phosphorous oxides. 11. TOXICOLOGICAL INFORMATION								
	May cause sensitization by	inhalation						
Eye Contact	Irritating to eyes. Causes se							
Skin Contact	May cause irritation.	i ious cyc uainage.						
Ingestion	There is no data available for	or this product						
Chemical Name		LD50 Oral	LD50 Dern	ıal	LC50 Inhalation			
Phosphoric Acid		530 mg/kg (Rat)	2730 mg/kg (R		mg/m3 (Exposure time: 1h)			
Delayed and immediate effe		0, 0 0		abbit) 030	mg/m3 (Exposure time: 111)			
Sensitization		f susceptible persons. May cau		an .				
Carcinogenicity		oove reportable quantities list		JII.				
Chronic Toxicity		Repeated contact may cause a		cantible persons				
Target Organ Effects	Respiratory system. Eyes.		nergic reactions in very sus	ceptible persons.				
rarget Organ Effects	Respiratory system. Lyes.	12. ECOLOGICA	L INFORMATION					
	W	12. 20020 010.		DI 1 : :107664	20.03			
	Ecotoxicity		Phosphoric acid (7664-38-2) LC50 fishes 1 3-3.5 mg/l (Exposure time: 96h – Species: Gambusia affinis)					
			0, (1					
n	loveistance and Dogwadahil	i+	EC50 Daphnia 1 4.6 mg/l (Exposure time: 12h – Species: Daphnia magna) No information available.					
Persistence and Degradability								
Bioaccumulation			Not established. No information available.					
	Other Adverse Effects	13 DISPOSAL C	ONSIDERATIONS	No information availa	oie.			
		13. DISI OSAL C	UNSIDERATIONS					
	Waste Disposal Methods		Dispose of in accordance with federal, state, and local regulations					
	Contaminated Packaging		Do not re-use empty containers.					
		14. TRANSPOR	T INFORMATION					
			mi i i i i i i i i i i i i i i i i i i	. 11				
	DOT		The product is not covered by international regulation on the transport of dangerous					
goods (IMDG, IATA, ADR/RID).								
15. REGULATORY INFORMATION								
Safety, health and environmental regulations/legislation specific for the substance or mixture EU Legislation The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is								
	EU Legislation		-					
implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amendi					of 20th May 2010 amending			
regulation (EC) No 1907/2006								
National Developing					or Supply) Regulations 2002 No			
				The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No.				
				1689.Workplace Exposure Limits 2005 (EH40)				
Exposure Limits 2003 (E1140)								
16. OTHER INFORMATION								
NFPA	Health Hazard 2	Flammabil		nstability 0	Physical and Chemical			
					Hazards -			
<u>HMIS</u>	Health Hazard 2	Flammabil	lity 0 Phy	sical Hazard 0	Personal Protection X			



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No information available.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet