

SAFETY DATA SHEET

. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

RILCO

1320 1st Street Rock Island, IL 61201 Phone - 309 788 5631 www.rilcoinc.com

I. PHYSICAL DATA

PRODUCT NAME: P-2142

CHEMICAL FAMILY: Water Soluble Corrosion Inhibitor

FORMULA: Trade Secret

INFORMATION PHONE: 1-800-274-2010 **EMERGENCY PHONE:** 1-800-424-9300

II. HAZARDOUS IDENTIFICATION

NFPA RATING (SCALE 0-4) Health = 2 Flammability = 1 Reactivity = 0

EMERGENCY OVERVIEW: Do not injest. Do not inhale dust. Use adequate ventilation

and wash after handling.

GHS CLASSIFICATION:

Health

Acute Toxicity: Cat. 4

Eye Irritation: Cat. 2

Skin Irritation: Cat. 2

Environmental

Acute Aquatic Toxicity: Not established

Chronic Aquatic Toxicity: Not established

GHS LABEL ELEMENTS:

Symbol(s):





Signal Word

Warning

Hazard Statements

This material is hazardous according to OSHA definition. May cause irritation to skin, eyes, and respiratory tract. This material is combustible.

Precautionary Statements

Wear protective gloves/protective clothing/eye protection/face protection IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or you feel unwell: Call a doctor/physician.

III. COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENT: Trade Secret

CAS NUMBER:

102-71-6	Triethanolamine	20-30%
7732-18-5	Water	20-50%
Confidential	Proprietary Ingredient	10-30%

IV. FIRST AID MEASURES

EYE CONTACT: Wash eyes with water for at least 30 minutes. If irritation persists, get

medical attention.

SKIN CONTACT: Wash affected area with soap and water for approximately 30 minutes

INHALATION: Remove exposed person to fresh air.

INGESTION: Do not induce vomiting. Get immediate medical attention.

V. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide, foam, sand or sodium bicarbonate.

SPECIAL FIRE FIGHTING

PROCEDURES: Avoid breathing vapors or dusts. Use self-contained breathing apparatus

with full face piece and protective clothing.

UNUSUAL FIRE

AND EXPLOSIVE

HAZARDS: None known.



VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: Contain spill and transfer to suitable containers.

Stop leak if you can do it without risk.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. If material is too viscous for pumping scrape it up with shovels into suitable containers for recycle or disposal.

Large Spills: Dike far ahead of spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

VII. HANDLING AND STORAGE

STORAGE: Observe all federal, state and local regulations when storing or disposing of this substance. Keep away from incompatible substances.

Use good engineering practices to establish good ventilation. Avoid contact with skin, eyes and clothing. Wear suitable protective equipment to protect from contact. Avoid breathing mist or vapors. Wash skin thoroughly after handling. Store inn closed containers away from extreme heat, sparks, open flame or oxidizing materials.

VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION

SKIN PROTECTION: Wear appropriate protective gloves to prevent direct contact. **EYE PROTECTION:** Wear safety goggles to prevent eye contact with substance.

OTHER PROTECTIVE

EQUIPMENT: Impervious apron if needed to avoid prolonged or repeated skin

contact.

ENGINEERING

CONTROLS: Good general ventilation and/or local exhaust ventilation at the

point of generation is recommended.

PERSONAL PROTECTIVE EQUIPMENT (Pictograms):

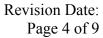


IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 320°F

VAPOR PRESSURE: 0.05 mmHg@ 20°C

SOLUBILITY IN WATER: Soluble





SPECIFIC GRAVITY: >1.0 @ 20°C

APPEARANCE: Yellow liquid **ODOR:** Slight Ammonia Odor

FLASH POINT: 300°F

FLAMMABLE LIMITS LOWER: N/A UPPER: N/A

X. STABILITY AND REACTIVITY

STABILITY: This product is stable at ambient temperatures.

CONDITIONS TO

AVOID: Extreme heat or cold.

INCOMPATIBILITY:

HAZARDOUS

DECOMPOSITION

PRODUCTS: Exposure to high temperatures, such as those associated with fires

causes product decomposition, resulting in the release of carbon

monoxide, carbon dioxide, and other decomposition products.

Avoid contact with strong acids and strong oxidizers.

HAZARDOUS

POLYMERIZATION: Will not occur.

XI. TOXICOLOGY INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS:

Eye: May cause severe irritation with possible corrosion to eyes.

Skin: Skin irritation will occur with redness

POTENTIAL CHRONIC HEALTH EFFECTS:

Chronic effects: Excessive exposure may cause severe irritation of the nose, throat, and lungs.

Material can also cause liver and kidney damage and/or weakness.

Target organs: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

XII. ECOLOGICAL INFORMATION

No information available.

XIII. DISPOSAL INFORMATION



WASTE DISPOSAL: Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state and local regulations.

XIV. TRANSPORTATION INFORMATION

No classification currently assigned.

XV. REGULATORY INFORMATION

STATUS:

US (TSCA): Y

CANADA (DSL): Y

EUROPE (EINECS/ELINCS): Y

AUSTRALIA (AICS): Y CHINA (IESCS): Y

JAPAN (ENCS): Y SOUTH KOREA (KECI): Y

Y= All ingredients are on the inventory or exempt from listing

N= One or more non-exempt ingredients are not on the inventory

SECTION 302 EXTREMELY HAZARDOUS CHEMICALS:

Component CAS# % by Wt.
None

SECTION 313 TOXIC CHEMICALS:

Component CAS# % by Wt.

None

SARA TITLE III:

ACUTE (IMMEDIATE HEALTH HAZARD): No CHRONIC (DELAYED HEALTH HAZARD): No

SUDDEN PRESSURE RELEASE: No

FIRE HAZARD: No

REACTIVE HAZARD: No

CERCLA (Comprehensive Environment Response, Compensation and Liability Act):

There is no calculable reportable quantity (RQ) for this product.

CLEAN WATER ACT: Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center.



XVI. OTHER INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS:

All components of this formula are included in the TSCA inventory. This product does not contain nor was manufactured with Class 1 or 11 ozone depleting chemicals, Section 611 of the Clean Air Act.

HEALTH HAZARD

- 4-Deadly
- 3- Extreme Danger
- 2- Hazardous
- 1-Slightly Hazardous
- 0-Normal Material

NFPA FIRE HAZARD

Flash Points 4-Below 73°F

T-DCIOW / 3 I

3-Below 100°F

2-Above 100°F, Not exceeding 200°F

1-Above 200°F

0-Will not burn

REACTIVITY

4-May detonate

3-Shock and heat

may detonate

2-Violent chemical change

1-Unstable if heated

0-Stable

Table 3.8 Acute Toxicity

Table 5.6 Acute Toxicity						
Acute toxicity	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Category 5	
Oral (mg/kg)	≤ 5	> 5 ≤ 50	> 50 ≤ 300	> 300 ≤ 2000	Criteria:	
Dermal (mg/kg)	≤ 50	> 50 ≤ 200	> 200 ≤ 1000	> 1000 ≤ 2000	 Anticipated oral LD50 between 2000 and 5000 mg/kg; 	
Gases (ppm)	≤ 100	> 100 ≤ 500	> 500 ≤ 2500	> 2500 ≤ 5000	 Indication of significant effect in humans;* 	
Vapors (mg/l)	≤ 0.5	> 0.5 ≤ 2.0	> 2.0 ≤ 10	> 10 ≤ 20	 Any mortality at class 4;* Significant clinical signs at class 4;* 	
Dust & mists (mg/l)	≤ 0.05	> 0.05 ≤ 0.5	> 0.5 ≤ 1.0	> 1.0 ≤ 5	 Indications from other studies.* 	
					*If assignment to more hazardous class is not warranted.	

Figure 4.11

CUTE ORAL TOXICITY - Annex 1					
	Category 1	Category 2	Category 3	Category 4	Category 5
D ₅₀	£ 5 mg/kg	> 5 < 50 mg/kg	³ 50 < 300 mg/kg	³ 300 < 2000 mg/kg	³ 2000 < 5000 mg/kg



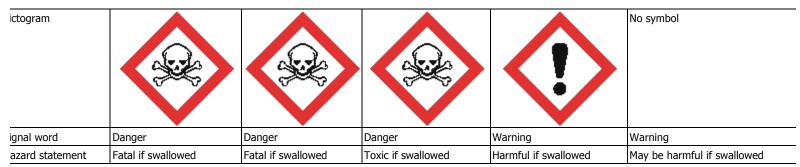


Table 3.9 Skin Corrosion/Irritation

Skin Corrosion Category 1			Skin Irritation Category 2	Mild Skin Irritation Category 3
Destruction of dermal tissue: visible necrosis in at least one animal				Reversible adverse effects in
Subcategory 1A Exposure < 3 min. Observation < 1hr,	Exposure < 1hr.	Exposure < 4 hrs. Observation < 14		dermal tissue Draize score: ≥ 1.5 < 2.3

Table 3.10 Eye Effects

Tubic 5:10 Lyc Lifects			
Category 1 Serious eye damage		Category 2 Eye Irritation	
Irreversible damage 21 days after exposure	Reversible adverse effects or	n cornea, iris, conjunctiva	
Draize score: Corneal opacity ≥ 3 Iritis > 1.5	Draize score: Corneal opacity ≥ 1 Iritis > 1 Redness ≥ 2 Chemosis ≥ 2		
	Irritant Subcategory 2A Reversible in 21 days	Mild Irritant Subcategory 2B Reversible in 7 days	

Figure 4.9

GHS Pictograms and Hazard Classes				
■ Oxidizers	 Flammables Self Reactives Pyrophorics Self-Heating Emits Flammable Gas Organic Peroxides 	ExplosivesSelf ReactivesOrganic Peroxides		



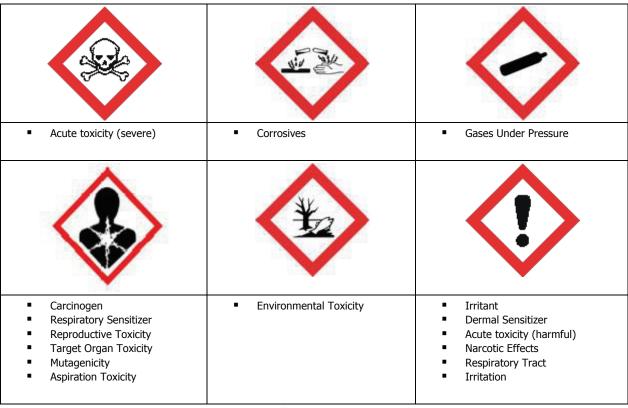
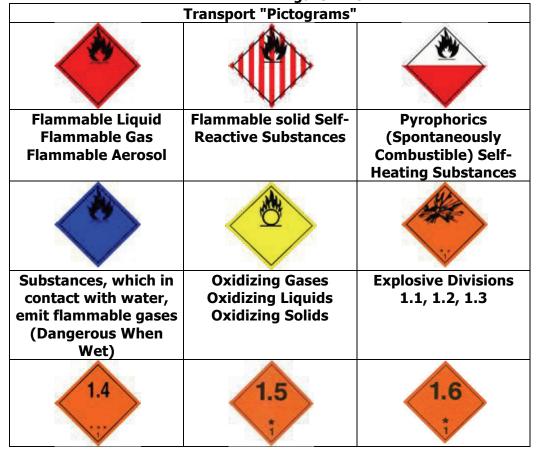


Figure 4.10





Explosive Division 1.4	Explosive Division 1.5	Explosive Division 1.6
2		
Compressed Gases	Acute Toxicity (Poison): Oral, Dermal, Inhalation	Corrosive
***	5.2	
Marine Pollutant	Organic Peroxides	

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RILCO, INC.
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