

Product Trade Name:
Revision Date: 10-27-2015

UNITED FERRO GARD 1009
MIL-P-460002 JIS K 2246

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of Substances or Preparation

Product Trade Name: UNITED FERRO-GARD 1009
Synonyms: None
Chemical Family: Blend
Company Undertaking Identification: USC LIMITED
 TOKYO, 183-0044 JAPAN
 Tel.int + 46(0)042- 351- 0011

Emergency Phone Number 412.231.1269 8-4 EST
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2. HAZARDS IDENTIFICATION

CLASSIFIED HAZARDS

H317 – SKIN REACTION CATEGORYU 1B
 H320 – EYE IRRITANT CATEGORY 2B
 H334 – RESPIRATORY SENSITIZATION CATEGORY 1B

OTHER HAZARDS

NONE KNOWN

LABEL ELEMENTS

WARNING: MAY CAUSE EYE OR SKIN IRRITATION OR SENSITIZATION. USE WITH VENTILATION



AVOID EXPOSURE WASH WITH SOAP AND WATER

WARNING AVOID INHALATION OF VAPORS/FUMES/ MISTS USE WITH ADEQUATE VENTILATION



GET MEDICAL ATTENTION IF BREATHING IS LABORED

General Chemical Description : Aliphatic Amine Salts

Hazardous Components OSHA PEL: NA
 ACGIH TLV: NA

Other Limits Recommended:% (optional) 8 %

Acute Toxicity Data Oral LD50 ND

Aliphatic Amine Component of LD 50 644 mg/kg mouse via oral ingestion

Contact Inhibitor : Over 10 g/kg RAT;oral ingestion

Petroleum Oil Component : Relatively non-toxic,may have slight laxative properties upon Ingestion.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component / CAS #	Symbol	Risk Phrases	EC #	%
Hydrotreated Petroleum Distillate 64742-53-6	None	S24/25/28A/37	265-155-0	> 70
Mixed Phospholipids 8002-43-5	None	S24/25/28A/37	232-307-2	< 20
Aliphatic Amine Salts 15816-71-4	None	S24/25/28A/37	239-914-1	< 12

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin	Wash with soap and water. Get medical attention if irritation persists.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion	Do not induce vomiting. Slowly dilute with 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.
Notes to Physician	Not Applicable

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, carbon dioxide, foam, dry chemical.
Unsuitable Extinguishing Media	None known.
Special Exposure Hazards	Decomposition in fire may produce toxic gases.
Special Protective Equipment for Firefighters	Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures	Use appropriate protective equipment.
Environmental Precautionary Measures	Prevent from entering sewers, waterways, or low areas.
Procedure for Cleaning / Absorption	Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions	Avoid breathing vapors or mists of this product. Avoid contact with eyes, skin, or clothing. Avoid the generation of oil mists. Do not take internally. Only use with adequate ventilation.
Storage Information	Store in a cool well ventilated area. Keep container tightly closed and in a place away from incompatible materials.. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize,

cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity, or other sources of ignition, they may explode. Use good housekeeping and close container when not in use.

Manufacturer recommends storing above 40° F. Thaw and mix thoroughly if frozen. Do not store above 100° F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.
Respiratory Protection	Organic vapor respirator with a dust/mist filter.
Hand Protection	Impervious rubber gloves.
Skin Protection	Normal work coveralls.
Eye Protection	Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions	Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Color green, mild petroleum oil odor
BOILING POINT :	NA
VAPOR PRESSURE:	ND
SPECIFIC GRAVITY (H ₂ O = 1):	0.915
Melting Point :	NA
Evaporation Rate (Butyl Acetate = 1)	ND
	VAPOR DENSITY (AIR=1): ND
	SOLUBILITY IN H ₂ O: slight
	VOC: Not determined
	Flash Point ; 146 C (295 F) COC

10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	ND
Hazardous Decomposition Products	Ammonia, nitrogen, oxides and carbon monoxide when burned
Additional Guidelines	Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Skin Contact	May cause skin defatting with prolonged exposure. May cause skin irritation.
Eye Contact	May cause eye irritation.
Ingestion	Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.
Aggravated Medical Conditions	Skin disorders.
Chronic Effects/Carcinogenicity	None expected
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity	Not determined
Genotoxicity:	Not determined
Reproductive / Developmental Toxicity:	Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)	Not determined
Persistence/Degradability	Not determined
Bio-accumulation	Not Determined

Ecotoxicological Information

Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined
Chemical Fate Information	Not determined
Other Information	Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method	Disposal should be made in accordance with federal, state, and local regulations.
Contaminated Packaging	Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation **ADR** Not restricted
Air Transportation **ICAO/IATA** Not restricted
Sea Transportation **IMDG** Not restricted
Other Shipping Information None

15. REGULATORY INFORMATION

EC Supply labeling Requirements Classification

NFPA RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0
 HAZARD SCALE: 0 = MINIMAL 1= SLIGHT 2= MODERATE 3= SERIOUS 4= SEVERE

HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0 PERS. PROT:
 HAZARD SCALE: 0 = MINIMAL 1= SLIGHT 2= MODERATE 3= SERIOUS 4= SEVERE * = 5= CHRONIC

HAZARD CLASS.....NOT REGULATED
 DOT SHIPPING NAME.....N/A
 REPORTABLE QUANTITY (RQ)... N/A
 UN NUMBER.....N/A
 NA#.....N/A

Risk Phrases None

Safety Phrases S 24/25 Avoid contact with skin and eyes.
 S 28A After contact with skin, wash immediately with plenty of water.
 S 37 Wear suitable gloves.
 S 45 In case of accident or if you feel unwell, seek medical advice
 immediately (show the label where possible).

EINECS Inventory

Germany, Water Endangering Not determined
Classes (WGK)

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS Not applicable

US FEDERAL REGULATIONS

A. GENERAL PRODUCT INFORMATION

THIS PRODUCTS HEALTH EFFECTS ARE CONSIDERED CONSISTENT WITH REQUIREMENTS
 UNDER 29 CFR 1910.1200 (HAZARD COMMUNICATION)

B. COMPONENT ANALYSIS

NONE OF THIS PRODUCTS COMPONENTS ARE LISTED UNDER SARA SECTION 302 (40 CFR 355 APPENDIX A), SARA SECTION 313 (40 CFR 372.65), OR CERCLA (40 CFR 302.4)
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactive: No

C. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST

D. NO COMPONENTS ARE LISTED IN THE WHMIS IDL.

E. NO COMPONENTS ARE LISTED UNDER CEPA ACT OF 1999 AS TOXIC SUBSTANCES

Key/Legend:

EPA = Environmental Protection Agency; **TSCA** = Toxic Substance Control Act; **ACGIH** = American Conference of Governmental Industrial Hygienists; **IARC** = International Agency for Research on Cancer; **NIOSH** = National Institute for Occupational Safety and Health; **NTP** = National Toxicology Program; **OSHA** = Occupational Safety and Health Administration; **NFPA** = National Fire Protection Association; **HMIS** = Hazardous Material Identification System; **CERCLA** = Comprehensive Environmental Response, Compensation and Liability Act; **SARA** = Superfund Amendments and Reauthorization Act; **CEPA** = Canadian Environmental Protection Act of 1999.

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