



SAFETY DATA SHEET

Hardener

Date Prepared : 01/29/2015

SDS No : 99.02017

Reparex Stainless Steel Alloy Liquid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Reparex Stainless Steel Alloy Liquid
GENERAL USE: Industrial Wearing Compound
PRODUCT DESCRIPTION: Wearing Compound
PRODUCT CODE: Stainless Steel Alloy Liquid

MANUFACTURER

Reparex, Inc.
 5058 Center Drive
 Latrobe, PA 15650
Customer Service: 724-537-0444

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC
 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
 Skin Corrosion, Category 1B
 Eye Irritation, Category 2
 Serious Eye Damage, Category 1
 Skin Sensitization, Category 1
 Acute Toxicity (Dermal), Category 4
 Target Organ Toxicity (Repeated exposure), Category 2

GHS LABEL



Exclamation
mark



Health
hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H373: May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

Prevention:

P103: Read label before use.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P262: Do not get in eyes, on skin, or on clothing.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P285: In case of inadequate ventilation wear respiratory protection.

Response:

SKIN: Take off contaminated clothing. Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove to fresh air. Oxygen or artificial respiration if needed. Call a physician if you feel unwell.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Redness, burning sensation, tearing (watering) of the eyes.

SKIN: Substance may cause slight skin irritation.

INGESTION: Burning, irritation, upset stomach, intestinal distress.

INHALATION: No adverse effects anticipated. Irritation may be caused if product is above room temperature.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus operated in pressure-demand mode, (NIOSH approved or equivalent) and full protective gear.

FIRE FIGHTING EQUIPMENT: Carbon Dioxide, dry chemical or foam

FIRE EXPLOSION: None Expected.

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb spilled material and place in appropriate container for disposal.

LARGE SPILL: Use same methods described for small spills.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep out of sewers, streams and waterways.

SPECIAL PROTECTIVE EQUIPMENT: Refer to Section 8, Exposure Control/Personal Protection.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

HANDLING: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust or fume. Contaminated work clothing should not be allowed out of the workplace.

STORAGE: Keep container tightly closed and in a well-ventilated place. Keep container dry.

STORAGE TEMPERATURE: 15°C (60°F) Minimum to 30°C (85°F) Maximum

SHELF LIFE: 1 Year

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

MOLECULAR WEIGHT: Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: No

STABILITY: Stable

CONDITIONS TO AVOID: Extreme heat.

POSSIBILITY OF HAZARDOUS REACTIONS: Not reactive under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: When product burns it may form toxic materials such as carbon dioxide, carbon monoxide, various hydrocarbons, etc.

INCOMPATIBLE MATERIALS: Strong oxidizing agents. Acids. Bases. Amines.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
4-nonylphenol, Branched	1300 mg/kg (Rat)	3160 mg/kg (Rabbit)
fatty acids, c18-unsatd., dimers, reaction products with polyethylenepolyamines	> 5000 mg/kg body weight	
2-piperazin-1-ylethylamine	2097 mg/kg (Rat-Male)	866 mg/kg (Rabbit male)
Phenol	270 mg/kg (Mouse)	630 mg/kg (Rabbit)
3,6-diazaoctanethylenediamine	2500 mg/kg (Rat)	805 mg/kg (Rabbit)

EYE EFFECTS: Causes serious eye irritation.

SKIN EFFECTS: Causes skin irritation. May cause an allergic skin reaction.

CHRONIC: Prolonged or repeated contact may cause asthma, skin sensitization and other allergic responses.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Chromium		3	
Formaldehyde	1	1	X
Phenol		3	

Notes: The materials in this product do not separate from the mixture or in of themselves become airborne, therefore do not present a hazard in normal use.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not Determined

BIOACCUMULATION/ACCUMULATION: Not Determined

AQUATIC TOXICITY (ACUTE): Many aquatic species are intolerant to corrosive material such as the unreacted curing agent.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of this product in accordance with all applicable local, state and federal regulations.

PRODUCT DISPOSAL: Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with stabilized and solidified liquids in an approved area. May be incinerated at an appropriate facility. Unreacted components are a special waste. Check local, state and national/federal regulations and comply with the most stringent

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate & Delayed

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Chromium	10 - 15	7440-47-3
Manganese Compounds	1 - 5	7439-96-5
Formaldehyde	0.1 - 1	50-00-0

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Chromium	10 - 15	5,000
Formaldehyde	0.1 - 1	100
Phenol	0.1 - 1	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Iron	7439-89-6
4-nonylphenol, Branched	84852-15-3
Chromium	7440-47-3
fatty acids, c18-unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1
2-piperazin-1-ylethylamine	140-31-8
Nonylphenol	25154-52-3
formaldehyde, polymer with n1,n2-bis(2-aminoethyl)-1,2-ethanediamine and phenol	32610-77-8
Manganese Compounds	7439-96-5
Soluble Compounds, As Mo	7439-98-7
Formaldehyde	50-00-0
Phenol	108-95-2
Silicon	7440-21-3
3,6-diazaoctanethylenediamine	112-24-3

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Formaldehyde	0.1 - 1	50-00-0

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Formaldehyde	0.1 - 1	Cancer

CANADA**WHMIS HAZARD SYMBOL AND CLASSIFICATION**