

1. Product and Company Identification

Material name CR-5B
Version # 00
Issue date 19-August-2013
Revision date 19-August-2013
Supersedes date N/A
CAS # Mixture
Product code 800-0064
Product use Industrial Leak Sealant.
Manufacturer information
Manufacturer/Supplier Team Industrial Services, Inc.
Address 200 Hermann Drive, Alvin, Texas 77511, US
Emergency telephone number CHEMTREC - 24 HOURS
 USA: CHEMTREC: 800-424-9300
 International: 703-527-3887 (Collect)

2. Hazards Identification

Physical state Liquid.
Appearance Gray liquid.
Emergency overview DANGER
 Causes skin and eye burns.
OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Causes eye burns.
Skin Causes skin burns.
Inhalation Prolonged or repeated exposure may cause severe irritation.
Ingestion Ingestion may cause irritation and malaise.
Target organs Eyes. Skin.
Signs and symptoms Contact with this material will cause burns to the skin, eyes and mucous membranes. Symptoms include itching, burning, redness and tearing.
Potential environmental effects The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Coco alkyldimethyl amines	61788-93-0	10-20

Composition comments All concentrations are in percent by weight.

4. First Aid Measures

First aid procedures
Eye contact Flush thoroughly with water for at least 15 minutes. Get immediate medical assistance. If medical assistance is not immediately available, flush an additional 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
Inhalation Remove to fresh air. If breathing stops, provide artificial respiration. Get medical attention.

Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water, if person is conscious. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.
Notes to physician	Treat symptomatically.
General advice	Chemical burns must be treated by a physician.

5. Fire Fighting Measures

Flammable properties	This product is not flammable. Will burn if strongly heated and when involved in fire.
Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	No restrictions known.
Protection of firefighters	
Protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.
Fire fighting equipment/instructions	In the event of fire, cool tanks with water spray. Move containers from fire area if you can do it without risk.
Hazardous combustion products	Carbon oxides. Nitrogen oxides.

6. Accidental Release Measures

Personal precautions	Eliminate all sources of ignition. Ventilate closed spaces before entering. Avoid inhalation of vapors and contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Absorb spillage with suitable absorbent material. After removal flush contaminated area thoroughly with water. Never return spills to original containers for re-use. This material and its container must be disposed of as hazardous waste.
Other information	Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling	Mechanical ventilation or local exhaust ventilation may be required. Avoid inhalation of vapors and contact with skin and eyes. Wear approved safety goggles. Wear protective gloves and appropriate clothing to prevent skin contact. Observe good industrial hygiene practices.
Storage	Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. An eye wash and safety shower must be available in the immediate work area.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin protection	Wear protective gloves. Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear appropriate clothing to prevent possibility of skin contact.
Respiratory protection	In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Gray liquid.
Physical state	Liquid.
Form	Liquid.
Color	Gray.
Odor	Musty, amine odor.
Odor threshold	Not available.
pH	alkaline
Vapor pressure	< 1 mm Hg
Vapor density	< 0.1 (Air = 1)
Boiling point	> 365 °F (> 185 °C)
Melting point/Freezing point	Not available.
Solubility (water)	Partly miscible
Specific gravity	0.95 (H ₂ O=1)
Flash point	Not available. > 212.0 °F (> 100.0 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Bulk density	8.48 lb/gal

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	High temperatures.
Incompatible materials	Aluminum. Lead sodium hypochlorite. Organic acids. Strong mineral acids. Reactive metals. hydroxyl compounds. Alkalies. Oxidizers.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides. Flammable hydrocarbon fragments.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Sensitization	Not a skin sensitizer.
Acute effects	Corrosive effects.
Local effects	Causes skin, eye and digestive tract burns.
Carcinogenicity	Not classified.
Epidemiology	None known.
Mutagenicity	No data available.
Neurological effects	No data available.
Reproductive effects	Not classified.
Teratogenicity	No data available.
Symptoms and target organs	Contact with this material will cause burns to the skin, eyes and mucous membranes. Symptoms include itching, burning, redness and tearing.

12. Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	The product is not expected to be readily biodegradable.
Bioaccumulation / Accumulation	
Mobility in environmental media	No data available.

13. Disposal Considerations

Waste codes	D002: Corrosive waste When cured: Not regulated.
Disposal instructions	Dispose of this material and its container to hazardous or special waste collection point. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s. (Coco alkyldimethyl amines)
Hazard class	8
Packing group	III
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, MSDS and emergency procedures before handling.

Additional information:

Special provisions	IB3, T7, TP1, TP28
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN2735
UN proper shipping name	Amines, liquid, corrosive, n.o.s. (Coco alkyldimethyl amines)
Transport hazard class(es)	8
Packing group	III
Environmental hazards	No
Labels required	8
ERG code	8L
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.

IMDG

UN number	UN2735
UN proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (Coco alkyldimethyl amines)
Transport hazard class(es)	8
Packing group	III
Environmental hazards	
Marine pollutant	No
Labels required	8
EmS	F-A, S-B

TDG

UN number	UN2735
Proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (Coco alkyldimethyl amines)
Hazard class	8
Packing group	III

Marine pollutant No
Special provisions 16
Labels required 8

Read safety instructions, MSDS and emergency procedures before handling.

General Read safety instructions, MSDS and emergency procedures before handling.

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

SARA 311/312 Hazardous chemical Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

Canadian regulations This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS status Controlled

WHMIS classification E - Corrosive

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (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 Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

State regulations This product does not contain a chemical known to the State of California to cause cancer birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

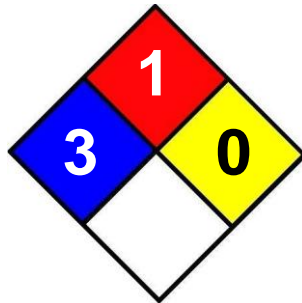
Not regulated.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.
I - Safety Glasses, Gloves, Dust, Vapor Respirator

HMIS® ratings Health: 3
Flammability: 1
Physical hazard: 0
Personal protection: I

NFPA Ratings



Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.