

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	CR-5B
Registration number	-
Synonyms	None.
Product code	800-0066
Issue date	19-August-2013
Version number	00
Revision date	19-August-2013
Supersedes date	19-August-2013

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Industrial Leak Sealant.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	Team Industrial Services, Inc.
Address	Postbus 37 4380 AA Vlissingen 3237 The Netherlands
Telephone	+31 (0) 118 48 58 00
Fax	+31 (0) 118 48 58 86
e-mail	Not available.
Contact person	Not available.

1.4. Emergency telephone number	+(61)-290372994, +1 703-527-3887
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	C;R35
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The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards		
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.

Hazard summary

Physical hazards	Not classified for physical hazards.
Health hazards	Causes severe burns.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Causes skin and eye burns.
Main symptoms	Contact with this material will cause burns to the skin, eyes and mucous membranes. Symptoms include itching, burning, redness and tearing.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Coco alkyldimethyl amines
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Hazard pictograms



Signal word	Danger
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Hazard statements	H314 - Causes severe skin burns and eye damage.
Precautionary statements	
Prevention	P260 - Do not breathe mist or vapour. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTRE or doctor/physician.
Storage	P405 - Store locked up.
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	Not applicable.
2.3. Other hazards	Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Coco alkyldimethyl amines	10-20	61788-93-0 263-020-0	-	-	
Classification:	DSD:	C;R35, Xn;R22, N;R50			
	CLP:	Acute Tox. 4;H302, Skin Corr. 1;H314, Aquatic Acute 1;H400			

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

Composition comments The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight.

SECTION 4: First aid measures

General information Chemical burns must be treated by a physician.

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If breathing stops, provide artificial respiration. Get medical attention.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.
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.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. 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.

4.2. Most important symptoms and effects, both acute and delayed Contact with this material will cause burns to the skin, eyes and mucous membranes. Symptoms include itching, burning, redness and tearing.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards This product is not flammable. Will burn if strongly heated and when involved in fire.

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	No restrictions known.

5.2. Special hazards arising from the substance or mixture	By heating and fire, corrosive vapours/gases may be formed. Carbon oxides. Nitrogen Oxides
5.3. Advice for firefighters	
Special protective equipment 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.
Special fire fighting procedures	In the event of fire, cool tanks with water spray. Move containers from fire area if you can do it without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Eliminate all sources of ignition. Ventilate closed spaces before entering. Avoid inhalation of vapours 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.

For emergency responders Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. 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.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Mechanical ventilation or local exhaust ventilation may be required. Avoid inhalation of vapours 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.

7.2. Conditions for safe storage, including any incompatibilities Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials.

7.3. Specific end use(s) Industrial Leak Sealant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Provide adequate ventilation and minimise the risk of inhalation of vapours and mists. An eye wash and safety shower must be available in the immediate work area.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

- **Hand protection** Wear protective gloves. Frequent change is advisable.

- **Other** Wear protective gloves. Wear appropriate clothing to prevent possibility of skin contact.

Respiratory protection In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Use respiratory equipment with gas filter, type B.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Grey liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Grey.
Odour	Musty, amine odor.
Odour threshold	Not available.
pH	alkaline
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 185 °C (> 365 °F)
Flash point	Not available. > 100,0 °C (> 212,0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	< 1 mm Hg
Vapour density	< 0,1 (Air = 1)
Relative density	0,95 (H ₂ O=1)
Solubility(ies)	partly miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Bulk density	8,48 lb/gal

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	High temperatures.
10.5. Incompatible materials	Aluminium. Lead sodium hypochlorite. Organic acids. Strong mineral acids. Reactive metals. hydroxyl compounds. Alkalies. Oxidizers.
10.6. Hazardous decomposition products	Carbon oxides. Nitrogen oxides. Flammable hydrocarbon fragments.

SECTION 11: Toxicological information

Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise.
Inhalation	Prolonged or repeated exposure may cause severe irritation.
Skin contact	Causes severe skin burns.

Eye contact	Causes serious eye damage.
Symptoms	Contact with this material will cause burns to the skin, eyes and mucous membranes. Symptoms include itching, burning, redness and tearing.

11.1. Information on toxicological effects

Acute toxicity	Corrosive effects.
Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	No data available.
Skin sensitisation	Not a skin sensitiser.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Aspiration hazard	Not classified.
Mixture versus substance information	Not available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity	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.
12.2. Persistence and degradability	The product is not expected to be readily biodegradable.
12.3. Bioaccumulative potential	
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	No data available.
Mobility in general	The product is partly miscible with water and may spread in the aquatic environment.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code	08 04 09* The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	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.

SECTION 14: Transport information

ADR

14.1. UN number	UN2735
14.2. UN proper shipping name	AMINES, LIQUID, CORROSIVE, N.O.S. (Coco alkyldimethyl amines)
14.3. Transport hazard class(es)	8
Subsidiary class(es)	-
14.4. Packing group	III
14.5. Environmental hazards	No

Tunnel restriction code E
Labels required 8
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number UN2735
14.2. UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Coco alkyldimethyl amines)
14.3. Transport hazard class(es) 8
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards No
Labels required 8
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number UN2735
14.2. UN proper shipping name Amines, liquid, corrosive, n.o.s. (Coco alkyldimethyl amines)
14.3. Transport hazard class(es) 8
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards No
Labels required 8
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number UN2735
14.2. UN proper shipping name Amines, liquid, corrosive, n.o.s. (Coco alkyldimethyl amines)
14.3. Transport hazard class(es) 8
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards No
Labels required 8
ERG code 8L
14.6. Special precautions for user Not available.

IMDG

14.1. UN number UN2735
14.2. UN proper shipping name AMINES, LIQUID, CORROSIVE, N.O.S. (Coco alkyldimethyl amines)
14.3. Transport hazard class(es) 8
Subsidiary class(es) -
14.4. Packing group III
14.5. Environmental hazards
Marine pollutant No
Labels required 8
EmS F-A, S-B
14.6. Special precautions for user Not available.

General Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is not intended to be transported in bulk.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Not listed.

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations

Young people under 18 years old are not allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration. PBT:
Persistent, bioaccumulative and toxic. vPvB:
Very Persistent and very Bioaccumulative. DSD:
Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.

References

ESIS (European chemical Substances Information System)
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R22 Harmful if swallowed.
R35 Causes severe burns.
R50 Very toxic to aquatic organisms.
H302 Harmful if swallowed.

Training information

Disclaimer

H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Follow training instructions when handling this material.

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