

R-Create Inc.

SAFTEY DATA SHEET

SECTION 1: PRODUCT IDENTIFIER

Common Name: J-4 R-Repel Aid

Synonyms: None

Recommended uses: Cement additive

Details of the supplier of the safety data sheets

R-CRETE INC.

P.O. Box 80286

Rancho Santa Margarita, CA 92688

949-888-8401 Fax 949-858-5720

Emergency telephone number

Emergency Telephone Number: 949-888-8401

SECTION 2: HAZARDOUS INGREDIENTS

Classification of the substance or mixture

Health hazards

Carcinogenicity Category 2

Label elements



Signal word: Warning

Hazard statement:

May be harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Causes damage to organs through prolonged or repeated exposure.
Suspected of causing cancer.

Precautionary statement: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Other hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Proportion	Risk Phrases
Triethanolamine	102-71-6	<85%	

Composition comments: The components are not hazardous or are below required disclosure limits.

SECTION 4: FIRST AID MEASURES

Eyes:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
Skin:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
Ingestion:	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Notes to Physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media	Carbon Dioxide. Dry Chemical, foam, water, Pylon.
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Fire/Explosion Hazards	Not a safety factor due to low volatility.
Fire Fighting Procedures	Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur and the container may burst. Water run-off from fire extinguisher will be very slippery
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide and carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid formation of dust. Provide good ventilation. See section 8 for type of protective equipment.
Clean Up	Absorb spillage with non-combustible, absorbent material. Dike for later disposal.
Environmental precautions:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7: HANDLING AND STORAGE

Handling Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Storage Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid

environmental contamination. **DO NOT STORE IN REACTIVE METAL CONTAINERS.**

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Substance Name	Type	Exposure limit value	Comment
Triethanolamine	TWA	5 mg/kg	US. ACGIH Threshold Limit Values (03 2013)
	ST ESL	50 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	5 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	5 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)

Biological threshold values:

Appropriate engineering controls:

Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal Protective Equipment:

Eyes and Face	Wear safety glasses with side shields (or goggles).
Respiratory	In case of inadequate ventilation, use respiratory protection.
Hands, Body, and Arms	In the event of direct skin contact, wear protective gloves.
Hygiene measures	Observe good industrial hygiene practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

State	Flowable
Color	Amber
Odor	Soap
Melting point	NA
Freezing point	NA
Solubility in Water	Complete
pH (3% Sol.)	8-9
Initial boiling point and boiling range	>200 F

Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability limits	No data available
Explosion limits vol%	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Partition coefficient n-octanol/water	100% Water
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Odor threshold	No data available

Other information

Parameter	Units/Remarks
Density	No data available
Combustible Dust Characteristics	No data available

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable
Reactivity	Not reactive.
Conditions to Avoid	No data available
Materials to Avoid	Incompatible with strong oxidizing agents and acids.
Polymerization	Will not occur.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Other Precautions	None

SECTION 11: TOXICOLOGICAL INFORMATION

Eyes:	Mild eye irritant.
Skin:	Repeated or prolonged skin contact may lead to irritation.
Inhalation:	Not applicable
Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting. LD50 (rat) 25000mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Organism	Species	Exposure Time	Test Type	Value	Source
Fish	Pimephales promelas	96h	LC50	205000µg/l	Similar product
Western mosquitofish	Gambusia affinis	48h	LC50	1,550 mg/l	Similar product

Persistence and degradability

Not available

Bioaccumulative potential

Oleic acid	7.73 LogPow	High Potential
Inoleic acid	7.05 LogPow	High Potential

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method Dispose of in accordance with Local Authority requirements.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	Not regulated
Primary Hazard Class/Division	Not regulated
UN/NA Number	Not applicable
Label(s), Placard(s), Marking(s)	Not applicable
Reportable Quantity (RQ)	None
49 STCC Number	Not applicable
ADR (EU), TDG (Canada)	Not regulated
IMDG (sea), ICAO (air), IATA (air)	Not regulated

Special precautions for user:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:

Not applicable.

Other Information:

None

SECTION 15: REGULATORY INFORMATION**Special Provisions:**

None present or none present in regulated quantities.

US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

Superfund amendments and reauthorization act of 1986 (SARA) Hazard categories

Not listed.

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US state regulations US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.
Diethanolamine Carcinogenic.

SECTION 16: OTHER INFORMATION**Vendor notes:**

Information given in this safety data sheet is in accordance with our information, and to the best of our knowledge, was correct on the last revision date. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product.