

Material Safety Data Sheet

Revision Date : 01/27/2011
Date Issued : 01/28/2011

RA-570 Mold Release Agent

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

Trade name : RA-570 Mold Release Agent
PRODUCT CODE :
CHEMICAL FAMILY : Compound based on vegetable oil

Information on manufacturer/supplier : Innovative Concrete Technology, LLC
P.O. Box 15
Oxford NJ 07863 USA

Emergency telephone number (24h) : Telephone:
CHEMTREC (800) 424-9300
CANUTEC (613) 996-6666
Non-Emergency Phone Number: (908) 453-2737

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration [%]
1,2-propanediol	57-55-6	10
1-Dodecene	112-41-4	0.05
9-Octadecenoic acid (9Z)-	112-80-1	0.05

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
Colour : white to cream
Odour : slight, specific
Water solubility : emulsifiable

pH : 8

Potential health effects

Immediate concerns : No particular hazards are known.

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Eyes : No harmful effects have been reported upon contact with the eyes.

Skin : No harmful effects have been reported upon contact with skin.

Ingestion : No harmful effects have been reported upon ingestion.

Inhalation : No harmful effects have been reported upon inhalation.

Primary routes of entry : None

Target organs : None

Carcinogenicity : Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

4. FIRST AID MEASURES

Eyes : Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.

Skin : Immediately and thoroughly, wash off with soap and water.

Ingestion : If swallowed, seek medical attention and show MSDS.

Inhalation : No special measures required. Ensure supply of fresh air.

General advice : Remove contaminated clothing.

5. FIRE-FIGHTING MEASURES

Flash point : > 212 °F

Autoignition temperature : not measured

Upper Explosion limits : not measured

Lower explosion limit : not measured

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- Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.
- Extinguishing media which must not be used for safety reasons : Full water jet
- Products in case of fire : In the event of fire the following can be released:
- carbon dioxide, carbon monoxide
- Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- Hazardous decomposition products : None with proper storage and handling.
- OSHA flammable class : Combustible Liquid, Class IIIB

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up / taking up : Small spills :
Use personal protective equipment. Ensure adequate ventilation. Do not allow to enter to drains or waterways. Do not discharge into the subsoil/soil. Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations.

Release Notes :

US regulations require reporting spills of this material that could reach any surface waters

In case of accident or road spill notify :

Telephone:

CHEMTREC USA (800) 424-9300
CANUTEC Canada (613) 996-6666
CHEMTREC (other countries) (International code)+1-202-483-7616

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7. HANDLING AND STORAGE

General Procedures Handling

- Advice on safe handling : No special measures necessary if stored and handled as prescribed.
- Advice on protection against fire and explosion : No special measures required.

Storage

- Further information : Keep container tightly closed and dry
Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

- General protective measures : Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.
- Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.
- Respiratory protection : In case of formation of vapors/aerosols: respiratory protective equipment, cartridge for organic gases and vapors.
- Eye protection : Use chemical resistant goggles or safety glasses with side shields.
- Protective clothing : Light protective clothing is required.
- Engineering controls : Good general (mechanical) ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
Colour : white to cream
Odour : slight, specific

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State of aggregation : Liquid
Melting temperature : not measured
Boiling temperature : 212.00 °F
Vapour pressure : not measured
Density : 0.95 g/cm³
at 73.40 °F
Water solubility : emulsifiable
pH : 8
at 23 °C
Viscosity, dynamic : 200 mPa.s
at 23 °C

10. STABILITY AND REACTIVITY

Conditions to avoid : None
Thermal decomposition : Not measured
Hazardous reactions : No hazardous reactions with proper storage and handling.
Hazardous polymerisation : No
Stability : Yes
Hazardous decomposition products : None with proper storage and handling.

11. TOXICOLOGICAL INFORMATION

Note : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

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12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biological degradability : 95 %
Testing period: 28 d
Method: OECD 301 F
The product is readily biodegradable according to OECD criteria.

Further ecological information

Ecological notes : The product is considered to be a weak water pollutant (German law).
Do not allow to enter soil, waterways or waste water canal.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Product disposal and disposal requirements : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

Sea transport

IMDG:
Not regulated

Air transport

ICAO/IATA:
Not regulated

DOT (Department of Transportation)

CFR Road:
Not regulated

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CFR Rail:
Not regulated

CANADA Transport of Dangerous goods

TDG Road:
Not regulated
TDG Rail:
Not regulated

15. REGULATORY INFORMATION

United States

SARA Section 311/312 : Fire: No
Pressure generating: No
Reactivity: No
Acute: No
Chronic: No

SARA Sections : SECTION 313
Notification : No
This product contains no SARA Title III, Section 313 listed chemicals.

Notification Status : TSCA
Notification : Yes
All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

State regulations : RHODE ISLAND RTK
Notification : Yes

PENNSYLVANIA RTK
Notification : Yes

California Proposition 65 Statement : Notification : No
This product does not contain any substance(s) which are defined by the state of California to cause cancer, birth defects, or other reproductive effects.

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Canada : WHMIS CLASSIFICATION
Non-WHMIS

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Components	CAS-No.
1,2-propanediol	57-55-6
9-Octadecenoic acid (9Z)-	112-80-1

Notification Status : Canadian Environmental Protection Act
DSL
Notification : Yes
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

16. OTHER INFORMATION

HMIS Codes : Fire : 1
Health : 1
Physical Hazard : 0
Protection : X

Manufacturer disclaimer : While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon

END OF MSDS