

Material Safety Data Sheet

Acrawax™ C Dispersion

Version 7.0

Revision Date 2012.03.12

Print Date 2012.03.13

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Acrawax™ C Dispersion
Product Use Description : Lubricant
Additive

Company : Lonza Inc.
90 Boroline Road
Allendale, NJ 07401

Telephone : 1-201-316-9200

Emergency telephone number : CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

Form: dispersion, Colour: light cream, Odour: amine-like

Hazard Summary : Handle in accordance with good industrial hygiene and safety practice.

OSHA Hazards : MILD EYE IRRITANT

Potential Health Effects

Primary Routes of Entry : Eyes
Skin
Inhalation
Ingestion

Inhalation : No information available.

Skin : No hazards to be specially mentioned.

Eyes : May cause eye irritation.

Ingestion : No hazards resulting from the material as supplied.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No. | Weight percent |
|---|-----------|----------------|
| Amides, C16-C18 (even), N,N'-ethylenebis | | 20,00 - 30,00 |
| Octadecanamide, N,N'-1,2- ethanediybis- | 110-30-5 | 10,00 |
| Propan-2-ol | 67-63-0 | 1,00 - 5,00 |
| Stearic acid | 57-11-4 | < 3,00 |
| Water | 7732-18-5 | 65,00 |

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : No special precautions required.
- Skin contact : Wash with water and soap as a precaution.
If skin irritation persists, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water.
If eye irritation persists, consult a specialist.
- Ingestion : Immediately give large quantities of water to drink.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : 127 °F (53 °C)
Method: ASTM D 93
Method: UN Manual of Tests and Criteria, Part III, sub-section 32.5.2
Remarks: Does not sustain combustion.
- Ignition temperature : Remarks: no data available
- Lower explosion limit : Remarks: no data available
- Upper explosion limit : Remarks: no data available

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Fire fighting

Suitable extinguishing media : Water spray
Dry powder
Foam

Further information : Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

Specific hazards during firefighting : Heating or fire can release toxic gas.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.

Methods for containment /
Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling

Handling : No special precautions required.

Advice on protection against fire and explosion : Take precautionary measures against static discharges.

Storage

Requirements for storage areas and containers : To maintain product quality, do not store in heat or direct sunlight.
Keep container tightly closed.
Keep in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

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| Components | CAS-No. | Value | Control parameters | Update | Basis |
|--------------|---------|-------|----------------------------------|--------|-------------|
| Propan-2-ol | 67-63-0 | TWA | 200 ppm | 2009 | ACGIH |
| | | STEL | 400 ppm | 2009 | ACGIH |
| | | REL | 400 ppm 980 mg/m ³ | 2005 | NIOSH/GUIDE |
| | | STEL | 500 ppm 1 mg/m ³ | 2005 | NIOSH/GUIDE |
| Stearic acid | 57-11-4 | TWA | 10 mg/m ³ | 2008 | ACGIH |

Engineering measures

Personal protective equipment

- Eye protection : Tightly fitting safety goggles
- Hand protection : Protective gloves
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
No special protective equipment required.
- Respiratory protection : No personal respiratory protective equipment normally required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : dispersion
- Colour : light cream
- Odour : amine-like

Safety data

- Flash point : 127 °F (53 °C)

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Method: ASTM D 93

Method: UN Manual of Tests and Criteria, Part III, sub-section 32.5.2

Note: Does not sustain combustion.

Ignition temperature : Remarks: no data available

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

pH : 8,5 - 10
at 100,00 g/l

Melting point/range : 284 - 293 °F (140 - 145 °C)

Boiling point/boiling range : ca. 212 °F (100 °C)

Vapour pressure : Note: no data available

Density : 1,0 g/cm³
at 68 °F (20 °C)

Water solubility : at 68 °F (20 °C)
Note: dispersible

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: no data available

Materials to avoid : Remarks: Reducing agents
Strong oxidizing agents

Hazardous decomposition products : Note: nitrogen oxides (NO_x)
Carbon oxides
Heating or fire can release toxic gas.

Hazardous reactions : Hazardous polymerisation does not occur.
Note: Stable under normal conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 5 000 mg/kg

Acute dermal toxicity : LD50 rabbit

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Dose: > 2 000 mg/kg
Method: FIFRA

- Acute inhalation toxicity : Remarks: no data available
- Skin irritation : rabbit
Result: non irritant
- Eye irritation : rabbit
Result: non irritant
- Further information : Information given is based on data on the components and the toxicology of similar products.
No data is available on the product itself.

The following toxicological data refer to:

- Acute oral toxicity : LD50 rat
Dose: > 15 380 mg/kg
- Acute dermal toxicity : LD50 rabbit
Dose: > 20 000 mg/kg
Method: US-EPA
- Acute inhalation toxicity : LC50 rat
Dose: > 58 mg/l
Method: US-EPA
- Skin irritation : rabbit
Result: non irritant
- Eye irritation : rabbit
Result: mild irritant
- Sensitisation : Remarks: no data available
- Further information : Information given is based on data on the components and the toxicology of similar products.
No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

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Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of in accordance with local regulations. Contact waste disposal services.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG-CODE

Not dangerous goods

RID

Not dangerous goods

Other information : Not classified as supporting combustion according to the transport regulations.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Mild eye irritant

WHMIS Classification : Not a controlled Product

TSCA Status : All components of this product are currently listed on the EPA TSCA 8(b) inventory list or are incidental byproducts.

CERCLA Reportable Quantity : 5000 lbs

SARA 311/312 Hazards : Acute Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Components : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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SARA 313 Components : Propan-2-ol 67-63-0

US State Regulations

Massachusetts Right To Know Components : Propan-2-ol Listed 67-63-0

Pennsylvania Right To Know Components : Propan-2-ol Listed 67-63-0

New Jersey Right To Know Components : Propan-2-ol Listed 67-63-0

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 1
Flammability: 1
Reactivity: 0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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