

## Material Safety Data Sheet

Version: 1.9

Revision Date : 12/07/2007

Date Issued : 12/08/2007

### **AROSURF 170 P 2**

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

Trade name : AROSURF 170 P 2  
PRODUCT CODE : 203521  
CHEMICAL FAMILY : Tallow Amines & derivatives

Information on manufacturer/supplier : Evonik Goldschmidt Corporation  
914 EAST RANDOLPH ROAD  
HOPEWELL, VA 23860

Emergency telephone number (24h) : Telephone:  
CHEMTREC (800) 424-9300  
CANUTEC (613) 996-6666  
Non-Emergency Phone Number: (800) 732-5616

#### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Concentration [%]
2-Propanol, 1,1'-Iminobis-, N-Tallow Alkyl derivs.	68951-72-4	100

#### **3. HAZARDS IDENTIFICATION**

##### Emergency Overview

##### **Physical Appearance**

Form : Liquid  
Colour : Slight Yellow to Clear  
Odour : Like Amines  
Water solubility : Insoluble  
  
pH : 9 - 11  
At 5%, in Isopropanol/Water solvent

##### **Potential health effects**

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- Immediate concerns : DANGER!! Corrosive. Causes skin and eye burns. Avoid contact with skin, eyes and clothing. Wear safety goggles, protective gloves and impervious clothing. Wash thoroughly after handling.
- Eyes : Corrosive material, causes burns.
- Skin : Can cause severe irritation, even burns, on prolonged contact.
- Ingestion : Results in severe damage to mucous membranes.
- Inhalation : Vapor, especially upon heating, can cause irritation of respiratory tract.
- Primary routes of entry : Eyes, Skin, Inhalation, Ingestion
- Target organs : Eyes, Skin, Respiratory Tract, Digestive System
- Carcinogenicity : Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

#### **4. FIRST AID MEASURES**

- Eyes : Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention immediately. If physician is not immediately available, continue flushing with water. Do not use chemical antidote.
- Skin : Immediately wash exposed area with soap and water for at least 15 minutes, then flush with water for at least 5 minutes. If reddening persists, or if open sores or blisters develop, see a physician. Remove contaminated clothing and launder before re-use.
- Ingestion : Immediately drink two large glasses of water. Call a physician.
- Inhalation : Move to fresh air. If burning sensation develops in throat or chest, or shortness of breath occurs, get immediate medical attention.

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#### **5. FIRE-FIGHTING MEASURES**

- Flash point : > 200 °F  
Method: SETA Flash CC
- Suitable extinguishing media : Dry chemical, water fog, regular foam
- Products in case of fire : Carbon monoxide, unidentified organic amines and other hazardous organic chemicals may be formed during combustion.
- Further information : Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid.
- 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.
- OSHA flammable class : None

#### **6. ACCIDENTAL RELEASE MEASURES**

- Methods for cleaning up / taking up : Small spills :  
Small spills may be flushed into normal drainage or taken up with absorbent material.  
Large spills :  
For larger spills, stop spill at source, dike area of spill to prevent from spreading, pump liquid to salvage tank.  
Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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 protection against fire and explosion : None Known

### Storage

Requirements for storage areas and containers : Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame.

Further information : Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

Hygiene measures : Remove contaminated clothing immediately. Wash hands thoroughly with soap and water before breaks and after every working shift. Do not eat, drink or smoke while working. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Respiratory protection : If ventilation is insufficient, use a respirator with an organic vapor cartridge.

Hand protection : Wear protective gloves such as: Neoprene or Buna-N.

Eye protection : Chemical splash proof goggles.

Protective clothing : Impermeable protective clothing is recommended.

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Engineering controls : Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid  
Colour : Slight Yellow to Clear  
Odour : Like Amines  
Boiling point : > 425 °F

Vapour pressure : Not Available

Density : 0.85 g/cm<sup>3</sup>

Weight per volume : 7.08 Lb/Gal

Relative vapour density : Heavier than air

Water solubility : Insoluble

pH : approx. 9 - 11  
At 5%, in Isopropanol/Water solvent

Evaporation rate : Slower than ether

Volatile organic compound : percentage volatile: 1 %

## 10. STABILITY AND REACTIVITY

Conditions to avoid : Avoid contact with strong oxidizing agents or strong acids.

Hazardous polymerisation : No

Stability : Yes

## 11. TOXICOLOGICAL INFORMATION

Skin irritation : This material may cause burns to the skin.

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Eye irritation : This material may cause burns to the eyes.

## 12. ECOLOGICAL INFORMATION

### Further ecological information

Ecological notes : No data available.

## 13. DISPOSAL CONSIDERATIONS

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

Product disposal and disposal requirements : Incinerate in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted facilities is recommended.

## 14. TRANSPORT INFORMATION

### Sea transport

#### IMDG:

Class : 8  
UN-No : 2735  
PG : II  
MFAG :  
EmS : F-A S-B  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
Hazard release : Alkoxylated Fatty Amine  
Label : 8

### Air transport

#### ICAO/IATA:

Class : 8  
UN-No : 2735  
PG : II  
Proper shipping name : Amines, liquid, corrosive, n.o.s.  
Hazard release : Alkoxylated Fatty Amine  
Label : 8

### DOT (Department of Transportation)

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### **AROSURF 170 P 2**

#### **CFR Road:**

Class : 8  
UN-No : 2735  
PG : II  
Proper shipping name : Amines, liquid, corrosive, n.o.s.  
Correct technical name : Alkoxylated Fatty Amine  
Label : 8

#### **CFR Rail:**

Class : 8  
UN-No : 2735  
PG : II  
Proper shipping name : Amines, liquid, corrosive, n.o.s.  
Correct technical name : Alkoxylated Fatty Amine  
Label : 8

#### **CANADA Transport of Dangerous goods**

#### **TDG Road:**

Class : 8  
UN-No : 2735  
PG : II  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
Correct technical name : Alkoxylated Fatty Amine  
Label : 8

#### **TDG Rail:**

Class : 8  
UN-No : 2735  
PG : II  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
Correct technical name : Alkoxylated Fatty Amine  
Label : 8

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## 15. REGULATORY INFORMATION

### United States

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

SARA Sections : SARA EHS  
Notification : No

Notification Status : TSCA  
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.

### Canada

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 : 3  
Physical Hazard : 0  
Protection : X



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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