

## SAFETY DATA SHEET

according to the Globally Harmonized System

### ADSEE C-70S

Version 1

Revision Date 08.08.2018

Print Date 16.12.2022

IN / EN

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Information  
Trade name : ADSEE C-70S

Use of the Substance/Mixture : Specific use(s): Surfactant

Company : Nouryon Chemicals India Private Ltd.  
Unit No. NB-801, Empire Tower, Cloud City Campus,  
IN 400708 Navi Mumbai, Maharashtra  
India

Telephone :  
Telefax :  
E-mail address :  
Emergency telephone number : 24 hours:+31 57 06 79211, US-CHEMTREC:1-800-424-9300,  
CA-CANUTEC:1-613-996-6666, JP: +81 (836) 74 8810, CN:  
化学事故应急咨询电话 : +86 532 8388 9090

#### 2. HAZARDS IDENTIFICATION

##### GHS-Classification

Acute toxicity, Category 4, Oral  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 1  
Acute aquatic toxicity, Category 1  
Chronic aquatic toxicity, Category 1

##### GHS-Labeling

Hazard pictograms :



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Signal word	:	Danger	
Hazard statements	:	H302 H315 H318 H410	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P264 P270  P273 P280  <b>Response:</b> P301 + P312 + P330  P302 + P352 P305 + P351 + P338 + P310  P332 + P313  P391 <b>Disposal:</b> P501	Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/ eye protection/ face protection.  IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation occurs: Get medical advice/ attention. Collect spillage.  Dispose of contents/ container to an approved waste disposal plant.

## Other hazards which do not result in classification

No further data available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

#### Hazardous components

Chemical name	CAS-No.	GHS Classification	Concentration[%]
Coco amidopropyldimethylamine	68140-01-2	Acute Tox. 3; H301 Skin Corr./Irrit. 1B; H314 Eye Dam./Irrit. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 30 - < 60

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		M-Factor (Acute): 100 M-Factor (Chronic): 1	
Coco amidopropyldimethylamine	68140-01-2	Acute Tox. 3; H301 Skin Corr./Irrit. 1B; H314 Eye Dam./Irrit. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute): 100 M-Factor (Chronic): 1	>= 30 - < 50
Salicylic acid	69-72-7	Acute Tox. 4; H302 Acute Tox. 5; H313 Eye Dam./Irrit. 1; H318 Aquatic Acute 3; H402	>= 10 - < 20

For the full text of the H-Statements mentioned in this Section, see Section 16.

## The following substances have multiple CAS-number

Coco  
amidopropyldimethylamine : 1147459-12-8  
Coco  
amidopropyldimethylamine : 1147459-12-8

## 4. FIRST AID MEASURES

General advice : Immediate medical attention is required.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.

Inhalation : If breathed in, move person into fresh air.  
Consult a physician after significant exposure.

Skin contact : Take off contaminated clothing and shoes immediately.  
Rinse immediately with plenty of water.  
If skin irritation persists, call a physician.

Eye contact : Rinse with plenty of water.  
Get medical attention immediately. Continue to rinse during transport.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.

Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.

## Notes to physician

- Symptoms : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.
- Treatment : Treat symptomatically.

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## 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting / Specific hazards arising from the chemical : Do not allow run-off from fire fighting to enter drains or water courses.
- Combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.
- Emergency measures on accidental release : Evacuate personnel to safe areas.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
Prevent unauthorised persons entering the zone.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up / Methods for containment : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.
- Reference to other sections : For disposal considerations see section 13.

For personal protection see section 8.

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## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling : For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

### Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.  
Reacts with copper, aluminium, zinc and their alloys.

Other data : No decomposition if stored and applied as directed.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Engineering controls

Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protective equipment

Respiratory protection : In the case of vapour or aerosol formation use a respirator with an approved filter.  
Wear full face mask supplied with:  
Combination filter: ABEKP.

Hand protection : Nitrile rubber  
butyl-rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.

When using do not smoke.  
Wash hands before breaks and at the end of workday.

## Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : liquid  
Colour : amber  
Odour : amine-like  
Odour Threshold : No data available

### Safety data

pH : 6 - 8 at 1 % solution  
Melting point/range : No data available  
Boiling point/boiling range : No data available  
Flash point : 100 - 199 °C  
Evaporation rate : No data available  
Flammability (solid, gas) : Not applicable  
Flammability (liquids) : Not classified as a flammability hazard  
Lower explosion limit : Not applicable  
Upper explosion limit : Not applicable  
Vapour pressure : No data available  
Relative vapour density : No data available  
Relative density : No data available  
Water solubility : soluble  
Solubility in other solvents : No data available  
Partition coefficient: n- : No data available

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octanol/water

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

Materials to avoid : None known.

Hazardous decomposition products : No hazardous decomposition products are known.

Thermal decomposition : No data available

Reactivity : Stable under normal conditions.

Chemical stability : Stable under recommended storage conditions.

Hazardous reactions : No dangerous reaction known under conditions of normal use.

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## 11. TOXICOLOGICAL INFORMATION

### Product information:

### Potential Health Effects

Inhalation : Inhalation of aerosols may cause irritation to mucous membranes.  
Thermal decomposition can lead to release of irritating gases and vapours.

Skin : Causes skin irritation.

Eyes : Causes serious eye damage.

Ingestion : Harmful if swallowed.  
May cause irritation of the mucous membranes.

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Aggravated Medical Condition : None known.  
Symptoms of Overexposure : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

## **Toxicology Assessment**

Further information : No further data available.

## **Test result**

Skin irritation : Species: Rabbit  
Result: Irritating to skin.  
Method: OECD Test Guideline 404  
Read-across (Analogy)

Eye irritation : Species: Rabbit  
Result: Risk of serious damage to eyes.

## **Component: Salicylic acid**

Acute oral toxicity : LD50: > 300 - 2,000 mg/kg  
Species: Rat

Acute dermal toxicity : LD50: > 2,000 mg/kg  
Species: Rat

Eye irritation : Result: Risk of serious damage to eyes.

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## **12. ECOLOGICAL INFORMATION**

### **Product information:**

### **Ecotoxicology Assessment**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

### **Components:**

### **Test result**

### **Component: Coco amidopropyldimethylamine**

### **Ecotoxicity effects**

Toxicity to fish : LC50: > 0.1 - 1 mg/l  
Exposure time: 96 h  
Species: Danio rerio (zebra fish)  
Method: OECD Test Guideline 203



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Toxicity to algae	: EC50: > 0.001 - 0.01 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201
	EC10: > 0.001 - 0.01 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201
M-Factor (Acute)	: 100
M-Factor (Chronic)	: 1
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: > 0.1 - 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

## Elimination information (persistence and degradability)

Bioaccumulation	: Bioaccumulation is unlikely.
Mobility	: No data available
Biodegradability	: Result: Readily biodegradable. Method: OECD Test Guideline 301D

## Further information on ecology

Biochemical Oxygen Demand (BOD)	: No data available
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## Component: Coco amidopropyldimethylamine

### Ecotoxicity effects

Toxicity to fish	: LC50: > 0.1 - 1 mg/l Exposure time: 96 h Species: Danio rerio (zebra fish) Method: OECD Test Guideline 203
Toxicity to algae	: EC50: > 0.001 - 0.01 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201
	EC10: > 0.001 - 0.01 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201

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M-Factor (Acute) : 100  
M-Factor (Chronic) : 1  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0.1 - 1 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

## Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is unlikely.  
Mobility : No data available  
Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301D

## Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

## Component: Salicylic acid

### Ecotoxicity effects

Toxicity to fish : LC50: 90 mg/l  
Exposure time: 96 h  
Species: Fish  
Literature data.  
Toxicity to daphnia and other aquatic invertebrates : EC50: 230 mg/l  
Exposure time: 24 h  
Species: Daphnia magna (Water flea)  
Literature data.  
Toxicity to bacteria : EC50: > 3,200 mg/l  
Exposure time: 3 h  
Species: activated sludge

## Elimination information (persistence and degradability)

Bioaccumulation : No data available  
Mobility : No data available  
Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301C

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## Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

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## 13. DISPOSAL CONSIDERATIONS

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Hazardous waste  
Dispose of contents/container in accordance with local regulation.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkylamine)  
Class : 9  
Packing group : III  
Labels : 9  
Environmentally hazardous : yes

#### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (Alkylamine)  
Class : 9  
Packing group : III  
Labels : 9  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Packing instruction (LQ) : Y964  
Environmentally hazardous : yes

#### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkylamine)  
Class : 9

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Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
(Alkylamine)

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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## 15. REGULATORY INFORMATION

### Notification status

DSL : YES. All components of this product are on the Canadian DSL  
AICS : YES. On the inventory, or in compliance with the inventory  
NZIoC : YES. On the inventory, or in compliance with the inventory  
ENCS : YES. On the inventory, or in compliance with the inventory  
ISHL : YES. On the inventory, or in compliance with the inventory  
KECI : YES. On the inventory, or in compliance with the inventory  
PICCS : YES. On the inventory, or in compliance with the inventory  
IECSC : YES. On the inventory, or in compliance with the inventory  
TCSI : YES. On the inventory, or in compliance with the inventory  
TSCA : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

For explanation of abbreviation see section 16.

Further information : none

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## 16. OTHER INFORMATION

### Full text of H-Statements

H301 : Toxic if swallowed.  
H302 : Harmful if swallowed.  
H313 : May be harmful in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
H400 : Very toxic to aquatic life.  
H402 : Harmful to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA

- International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

## Further information

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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