

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form	: Mixture (UVCB)
Trade name	: DIETHANOLAMIDE DE COPRAH
EC-No.	: 931-329-6
CAS-No.	: 68603-42-9
REACH registration No	: 01-2119490100-53
Product code	: DEA COPRAH
Product group	: Raw material

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category	: Industrial use
Use of the substance/mixture	: Agent tensio-actif de base pour la production de nettoyeurs et de produits cosmétiques.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

INTERCHIMIE  
ZAC du Parc 13 rue Louis Blériot  
FR- 77290 COMPANS  
T T: +33 (0)1 64 77 76 27  
[qualite@interchimie.fr](mailto:qualite@interchimie.fr) - [www.interchimie.fr](http://www.interchimie.fr)

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

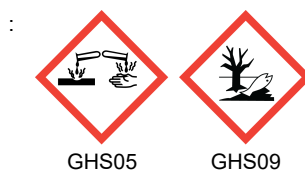
#### Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl); 2,2'-iminodiethanol

Hazard statements (CLP)

: H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H411 - Toxic to aquatic life with long lasting effects.

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P280 - Wear eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338+P310 - 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 or doctor.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : UVCB

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)	CAS-No.: 68603-42-9 EC-No.: 931-329-6 REACH-no: 01-2119490100-53	$\geq 80 - < 90$	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Glycerol	CAS-No.: 56-81-5 EC-No.: 200-289-5 REACH-no: EXEMPT ANNEXE V	7 – 10	Not classified
2,2'-iminodiethanol	CAS-No.: 111-42-2 EC-No.: 203-868-0 EC Index-No.: 603-071-00-1 REACH-no: 01-2119488930-28	$\leq 3$	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. Unconscious: maintain adequate airway and respiration. Vomiting: prevent asphyxia/aspiration pneumonia.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Gently wash with plenty of soap and water.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Rednesses. Irritation.
Symptoms/effects after eye contact	: Lacrimation. Serious damage to eyes.
Symptoms/effects after ingestion	: May cause gastric irritation. Abdominal pain, nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Making extinguishing agents environment-friendly. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Prevent fire fighting water from entering the environment. Toxic to aquatic life with long lasting effects.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate air ventilation. Use protective clothing. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Evacuate area.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe vapours. Do not breathe dust. Avoid contact with skin and eyes.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Mechanically recover the product. Scoop solid spill into closing containers. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not eat, drink or smoke when using this product. Do not breathe vapours. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.
- Storage temperature : 5 – 30 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

DIETHANOLAMIDE DE COPRAH (68603-42-9)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, inhalation	>
<b>DNEL/DMEL (additional information)</b>	
Additional information	DNEL and/or PNEC available for the components
<b>PNEC (additional information)</b>	
Additional information	DNEL and/or PNEC available for the components

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses. EN 166

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves. EN 374

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11		

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Colourless to light yellow. dark yellow. light brown.
Odour	: No data available
Odour threshold	: No data available
pH	: 9 – 11 1% (20°C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -7 °C
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: ≈ 188 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 0.000019 kPa (20°C)
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.98 – 1.01 g/cm <sup>3</sup> (20°C)
Solubility	: Soluble in methanol. Soluble in acetone.
Partition coefficient n-octanol/water (Log Pow)	: 3.75
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1.15 Pa·s

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

High temperature. gel.

### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)

LD50 oral rat	> 5000 mg/kg bodyweight
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LD50 dermal rabbit	> 2000 mg/kg bodyweight
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#### 2,2'-iminodiethanol (111-42-2)

LD50 oral rat	620 mg/kg (surmulot)
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LD50 dermal rat	12200 mg/kg (surmulot)
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LC50 Inhalation - Rat	0.2 mg/l CL0 (8h)
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Skin corrosion/irritation : Causes skin irritation.  
pH: 9 – 11 1% (20°C)

Serious eye damage/irritation : Causes serious eye damage.  
pH: 9 – 11 1% (20°C)

Respiratory or skin sensitisation : Irritation to the respiratory tract. Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Data not validated

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

<b>Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)</b>	
NOAEL (oral, rat)	1000 mg/kg bodyweight (OECD 414)
STOT-repeated exposure	: Not classified
<b>DIETHANOLAMIDE DE COPRAH (68603-42-9)</b>	
NOAEL (subacute, oral, animal/male, 28 days)	750 mg/kg bodyweight rat
<b>Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)</b>	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight/day 28 j (OECD 407)
NOAEL (dermal, rat/rabbit, 90 days)	50 mg/kg bodyweight/day (rat)
<b>2,2'-iminodiethanol (111-42-2)</b>	
NOAEL (dermal, rat/rabbit, 90 days)	32 mg/kg bodyweight/day rat 103 semaines
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Data not validated
Other information	: Informations complémentaires sur demande

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

<b>DIETHANOLAMIDE DE COPRAH (68603-42-9)</b>	
LC50 - Fish [1]	2 mg/l
LC50 - Fish [2]	4.9 mg/l
LC50 - Other aquatic organisms [1]	1 mg/l micro-organisme
EC50 72h - Algae [1]	0.39 mg/l <i>Desmodesmus subspicatus</i>
<b>Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)</b>	
LC50 - Fish [1]	2.4 mg/l 96h ( <i>Oncorhynchus mykiss</i> ) OECD 203
LC50 - Fish [2]	4.9 mg/l 96h ( <i>Branchydanio rerio</i> ) OECD 203
EC50 - Crustacea [1]	3.2 mg/l 48h- <i>daphnia magna</i> -OECD 202
EC50 - Other aquatic organisms [1]	6 g/l 72h - microorganismes ( <i>pseudomonas putida</i> )
EC50 72h - Algae [1]	3.9 mg/l 72h- <i>scenedesmus subspicatus</i> - OECD 201
LOEC (chronic)	1 mg/l 28 jours poissons <i>oncothynchus mykiss</i> - OECD 215
NOEC chronic crustacea	0.07 mg/l 21 jours - <i>daphnia magna</i> - EOCOD 211
NOEC chronic algae	0.3 mg/l 72h <i>scenedesmus subspicatus</i> OECD 201
<b>2,2'-iminodiethanol (111-42-2)</b>	
LC50 - Fish [1]	1460 mg/l 96h - <i>pimephales promelas</i>
EC50 - Crustacea [1]	55 mg/l 48h
EC50 72h - Algae [1]	9.5 mg/l <i>Pseudokirchneriella subcapitata</i>
LOEC (acute)	1.56 mg/l 504h - <i>Daphnia magna</i>
NOEC chronic crustacea	0.78 mg/l 504h - <i>Daphnia magna</i>

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 12.2. Persistence and degradability

#### DIETHANOLAMIDE DE COPRAH (68603-42-9)

Persistence and degradability	Readily biodegradable.
Biodegradation	71.1 % (301F - 28journs)

#### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)

Persistence and degradability	Biodegradable.
Biodegradation	72.4 % OECD 301D (source EMPLA 739/2006)

#### 2,2'-iminodiethanol (111-42-2)

Persistence and degradability	Readily biodegradable.
Chemical oxygen demand (COD)	1.352 g O <sub>2</sub> /g substance
Biodegradation	93 % 28 j - OECD 301F

### 12.3. Bioaccumulative potential

#### DIETHANOLAMIDE DE COPRAH (68603-42-9)

Partition coefficient n-octanol/water (Log Pow)	3.75
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#### Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl) (68603-42-9)

Bioaccumulative potential	Low bioaccumulation potential.
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#### 2,2'-iminodiethanol (111-42-2)

Partition coefficient n-octanol/water (Log Kow)	-2.18
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### 12.4. Mobility in soil

#### DIETHANOLAMIDE DE COPRAH (68603-42-9)

Ecology - soil	mobile in soils.
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### 12.5. Results of PBT and vPvB assessment

#### DIETHANOLAMIDE DE COPRAH (68603-42-9)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### Component

2,2'-iminodiethanol (111-42-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances 16 03 05* - organic wastes containing dangerous substances



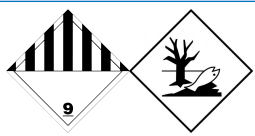
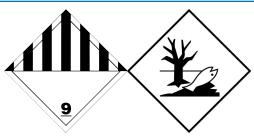
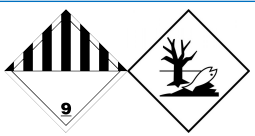
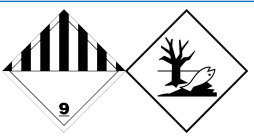
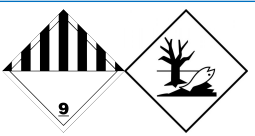
# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl))	Environmentally hazardous substance, liquid, n.o.s. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl))
<b>Transport document description</b>				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)), 9, III, (E)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amides, C8-18 (even numbered) and C18-unsatd., N, N-bis(hydroxyethyl)), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9
				
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601, 375
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : E  
EAC code : •3Z

### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP2, TP29  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A  
MFAG-No : 171

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Special packing provisions (RID) : PP1  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1, TP29  
Tank codes for RID tanks (RID) : LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W12  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 90

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : catégorie E2 : Dangereux pour l'environnement aquatique dans la catégorie chronique 2  
C9i : Très toxique pour l'environnement

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

##### France

Occupational diseases	
Code	Description
RG 49	Skin disorders caused by aliphatic, alicyclic amines or ethanolamines
RG 49 BIS	Respiratory disorders caused by aliphatic amines, ethanolamines or isophoronediamine

##### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

## 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1.1	Additional information	Modified	N° CAS

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

# DIETHANOLAMIDE DE COPRAH

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Abbreviations and acronyms:	
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Data sources : This MSDS has been established with data of MSDS coming from upstream suppliers.  
Bibliography.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.