



CAS: 64742-54-7 EC: 265-157-1 REACH: 01-2119484627-25  DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC		L	25 <= x % < 50
CAS: 64742-65-0 EC: 265-169-7  DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	GHS08 Dgr Asp. Tox. 1, H304	L	1 <= x % < 2.5
CAS: 68955-53-3 EC: 273-279-1 REACH: 01-2119456798-18  LONG CHAIN ALKYL AMINE=	GHS06, GHS05, GHS09 Dgr Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1A, H317 Acute Tox. 2, H330 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 1
CAS: 112-90-3 EC: 204-015-5  LONG CHAIN ALKENYL AMINE	GHS07, GHS05, GHS09, GHS08 Dgr Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Corr. 1B, H314 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 1

**Information on ingredients :**

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.  
Remove the victim to fresh air. If the symptoms persist, call a physician.

**In the event of splashes or contact with eyes :**

Wash immediately and abundantly with water, including under the eyelids.

**In the event of splashes or contact with skin :**

In the event of an allergic reaction, seek medical attention.  
Immediately remove all soiled clothing.  
Wash immediately and abundantly with soap and water.

**In the event of swallowing :**

Seek medical attention, showing the label.

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

No data available.

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

No data available.

## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

#### Suitable methods of extinction

Dry agent, foam, carbon dioxide.

#### Unsuitable methods of extinction

High volume water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

No data available.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

Spilled product may make surfaces slippery.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid contact with eyes.

No special precaution apart from the observance of hygiene rules

#### Fire prevention :

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

#### Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Ensure good ventilation at the workplace

#### Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Do not breathe fumes, vapour, spray.

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

Store between 5°C and 40°C in a dry, well ventilated place.

Only use hydrocarbon-resistant containers, joints and pipes.

#### Storage

Keep out of reach of children.

#### Packaging

Always keep in packaging made of an identical material to the original.

### 7.3. Specific end use(s)

No data available.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No data available.

#### Derived no effect level (DNEL) or derived minimum effect level (DMEL):

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS: 64742-57-0)

<b>Final use:</b>	<b>Workers.</b>
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	5.4 mg de substance/m3

<b>Final use:</b>	<b>Consumers.</b>
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	1.2 mg de substance/m3

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.  
Personnel shall wear regularly laundered overalls.

#### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN374

#### - Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

#### - Respiratory protection

Breathing apparatus only when aerosol or spray are formed.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

#### General information :

Physical state :	Fluid liquid.
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#### Important health, safety and environmental information

pH :	Not relevant.
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Flash Point Interval :	FP > 100°C.
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Insoluble.
Viscosity :	144,4 mm <sup>2</sup> /s à 40°C

**9.2. Other information**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Keep away from heat and from sources of ignition

Take precautionary measures against static discharges.

**10.5. Incompatible materials**

Strong oxidants

Acids

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances****Acute toxicity :**

LONG CHAIN ALKENYL AMINE (CAS: 112-90-3)

Oral route : LD50 = 1689 mg/kg  
Species : RatLONG CHAIN ALKYL AMINE=  
(CAS: 68955-53-3)Oral route : LD50 = 612 mg/kg  
Species : RatDermal route : LD50 = 251 mg/kg  
Species : Rat

Inhalation route (n/a) : LC50 = 157 ppm

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : LD50 > 5000 mg/kg  
Species : Rat  
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)Dermal route : LD50 > 5000 mg/kg  
Species : Rabbit  
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)Inhalation route (n/a) : LC50 > 5 mg/l  
Species : Rat

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS: 64742-57-0)

Oral route : LD50 &gt; 5000 mg/kg

Species : Rat  
OCDE Ligne directrice 420 (Toxicité orale aiguë - Méthode de la dose prédéterminée)

Dermal route : LD50 > 5000 mg/kg  
Species : Rabbit  
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (n/a) : LC50 > 5 mg/l  
Species : Rat  
OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

**Respiratory or skin sensitisation :**

LONG CHAIN ALKYL AMINE=  
(CAS: 68955-53-3)

Species : Guinea pig

**Specific target organ systemic toxicity - repeated exposure :**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : C < 125 mg/kg poids corporel/jour  
Species : Mouse  
Duration of exposure : 90 jours

Dermal route : C > 1000 mg/kg poids corporel/jour  
Species : Rat  
Duration of exposure : 28 jours

Inhalation route : C > 220 mg/litre/6h/jour  
Species : Rat  
Duration of exposure : 90 jours

**11.1.2. Mixture**

**Skin corrosion/skin irritation :**

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

**Serious damage to eyes/eye irritation :**

Mild eye irritation

**Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

**Aspiration hazard :**

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."  
May cause lung damage if swallowed

**SECTION 12 : ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

LONG CHAIN ALKENYL AMINE (CAS: 112-90-3)

Fish toxicity : LC50 = 0.11 mg/l  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 0.011 mg/l  
Duration of exposure : 48 h

Algae toxicity : ECr50 = 0.03 mg/l  
Duration of exposure : 96 h

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Fish toxicity : LC50 > 100 mg/l

Species : Pimephales promelas  
Duration of exposure : 96 h  
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity :  
EC50 > 10000 mg/l  
Species : Daphnia magna  
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC > 10000 mg/l  
Species : Daphnia magna  
OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

Algae toxicity :  
ECr50 > 100 mg/l  
Duration of exposure : 72 h

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS: 64742-57-0)

Fish toxicity :  
LC50 > 100 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 96 h  
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

NOEC > 1000 mg/l  
Species : Oncorhynchus mykiss  
Duration of exposure : 14 jours

Crustacean toxicity :  
EC50 > 10000 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h  
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC = 10 mg/l  
Species : Daphnia magna  
Duration of exposure : 21 jours  
OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

Algae toxicity :  
ECr50 > 100 mg/l  
Species : Pseudokirchnerella subcapitata  
Duration of exposure : 48 h  
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

## 12.2. Persistence and degradability

### 12.2.1. Substances

LONG CHAIN ALKENYL AMINE (CAS: 112-90-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

LONG CHAIN ALKYL AMINE=  
(CAS: 68955-53-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS: 64742-57-0)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

### 12.3. Bioaccumulative potential

#### 12.3.1. Substances

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)  
Octanol/water partition coefficient : log K<sub>ow</sub> > 6

#### 12.4. Mobility in soil

Not very mobile in soil.  
The product is insoluble in water and will spread on the surface

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

#### German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

### SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

#### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

### SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

#### 14.1. UN number

-

#### 14.2. UN proper shipping name

-

#### 14.3. Transport hazard class(es)

-

#### 14.4. Packing group

-

#### 14.5. Environmental hazards

-

#### 14.6. Special precautions for user

-

### SECTION 15 : REGULATORY INFORMATION

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

##### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

##### - Container information:

No data available.

##### - Particular provisions :

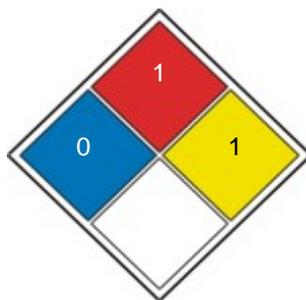
No data available.

##### - German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

##### - Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



## 15.2. Chemical safety assessment

No data available.

## 15.3 This substance is to be managed using the conditions specified in an applicable Group Standard

HSR002606

## SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

### Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Abbreviations :

DNEL : Derived No-Effect Level

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.