



## SAFETY DATA SHEET

### Tar Remow Miljö II

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

PRODUCT NAME Tar Remow Miljö II

PRODUCT NO. 440-2

APPLICATION Cleaning agent

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#### 2 HAZARDS IDENTIFICATION

Irritating to eyes. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.  
CLASSIFICATION (1999/45) Xn;R65. Xi;R36. R66.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ODOURLESS KEROSENE	265-149-8	64742-47-8	60-100%	Xn;R65. R66.
Alcohols, C9-11, Ethoxylated		68439-45-2	5-10%	Xi;R41.
2-(2-BUTOXYETHOXY)ETHANOL	203-961-6	112-34-5	5-10%	Xi;R36

The Full Text for all R-Phrases is Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

DO NOT INDUCE VOMITING! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!

##### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO<sub>2</sub>).

## Tar Remov Miljö II

### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

For personal protection, see section 8.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

#### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Clean-up personnel should use respiratory and/or liquid contact protection.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. During application and drying, solvent vapours will be emitted.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-(2-BUTOXYETHOXY)ETHANOL	WEL	10 ppm	67,5 mg/m <sup>3</sup>	15 ppm	101,2 mg/m <sup>3</sup>	
ODOURLESS KEROSENE	WEL		1000 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

#### PROTECTIVE EQUIPMENT



#### PROCESS CONDITIONS

Provide eyewash station.

#### ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

#### RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances.

#### HAND PROTECTION

Use protective gloves made of: Nitrile. Neoprene. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

#### OTHER PROTECTION

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light brown
ODOUR	Pleasant, agreeable.
SOLUBILITY	Slightly soluble in water. Miscible with: Ordinary solvents.

**Tar Remov Miljö II**

BOILING POINT (°C)	200-260
RELATIVE DENSITY	Approx. 0.800 @ 20 °c
EVAPORATION RATE	0.1 BuAc=1
FLASH POINT (°C)	78 CC (Closed cup).

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid contact with acids and oxidising substances.

**HAZARDOUS POLYMERISATION**

Will not polymerise.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11 TOXICOLOGICAL INFORMATION****GENERAL INFORMATION**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**INHALATION**

Vapours may cause headache, fatigue, dizziness and nausea.

**INGESTION**

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Ingestion of even small quantities may be fatal.

**SKIN CONTACT**

May cause defatting of the skin, but is not an irritant.

**EYE CONTACT**

No specific health warnings noted. Spray and vapour in the eyes may cause irritation and smarting.

**ROUTE OF ENTRY**

Inhalation. Ingestion.

**MEDICAL SYMPTOMS**

Skin contact may cause: Skin irritation. Allergic rash. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Irritation of eyes and mucous membranes. Ingestion may cause: Severe abdominal pain. Nausea, vomiting. If swallowed, especially in large quantities: Unconsciousness, possibly death.

Name	2-(2-BUTOXYETHOXY)ETHANOL
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Toxic Dose 1 - LD 50	5660 mg/kg (oral rat)
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Name	ODOURLESS KEROSENE
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Toxic Dose 1 - LD 50	>15,000 mg/kg (skn-rat)
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Toxic Dose 2 - LD 50	3,160 mg/kg (oral rat)
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Name	Alcohols, C9-11, Ethoxylated
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Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)
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Toxic Conc. - LC 50	5mg/L Not noted.
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Other Health Effects

This substance has no evidence of carcinogenic properties.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

LC 50, 96 Hrs, FISH mg/l	>1000MG/L
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EC 50, 48 Hrs, DAPHNIA, mg/l	>1000MG/L
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IC 50, 72 Hrs, ALGAE, mg/l	>1000MG/L
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**MOBILITY**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is soluble in water.

**BIOACCUMULATION**

The product does not contain any substances expected to be bioaccumulating.

**Tar Remow Miljö II****DEGRADABILITY**

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

Name 2-(2-BUTOXYETHOXY)ETHANOL

**Bioaccumulative Potential**

The product does not contain any substances expected to be bioaccumulating.

**Degradability**

The product is biodegradable.

Name ODOURLESS KEROSENE

LC 50, 96 Hrs, Fish mg/l > 1,000

**Mobility**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

**Bioaccumulative Potential**

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**Degradability**

Volatile substances are degraded in the atmosphere within a few days.

Name Alcohols, C9-11, Ethoxylated

LC 50, 96 Hrs, Fish mg/l <=10

EC 50, 48 Hrs, Daphnia, mg/l <=10

IC 50, 72 Hrs, Algae, mg/l <=10

**Mobility**

The product is soluble in water.

**Bioaccumulative Potential**

The product does not contain any substances expected to be bioaccumulating.

**Degradability**

The product is easily biodegradable.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

The packaging must be empty (drop-free, when inverted)

**DISPOSAL METHODS**

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ENVIRONMENTALLY**

No.

**HAZARDOUS****SUBSTANCE/MARINE****POLLUTANT****15 REGULATORY INFORMATION****LABELLING**

Harmful

**CONTAINS**

ODOURLESS KEROSENE

**RISK PHRASES**

R36

Irritating to eyes.

R65

Harmful: may cause lung damage if swallowed.

R66

Repeated exposure may cause skin dryness or cracking.

**SAFETY PHRASES**

S2

Keep out of the reach of children.

S13

Keep away from food, drink and animal feeding stuffs.

**Tar Remow Miljö II**

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

## Detergent Labelling:

5 - < 15%	Non-ionic surfactants
Contains	Diethyl Phthalate

## STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

**16 OTHER INFORMATION**

## GENERAL INFORMATION

Only trained personnel should use this material. This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

REVISION DATE 25/02/2011

REV. NO./REPL. SDS GENERATED 8

## RISK PHRASES IN FULL

R65	Harmful: may cause lung damage if swallowed.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.

## DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.