

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.09.2018

Revision: 04.09.2018

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

- **1.1 Product identifier**
- **Trade name: ASPHALT REMOVER**
- **Article number: 90-1105; 90-1125**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture** Surface cleanser
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Ditec International AB
 Cypressvägen 29
 213 63 Malmö
 Sverige
- **Further information obtainable from:**
 info@ditec-international.com
 +46 40 680 0740
- **1.4 Emergency telephone number: I akuta fall: Ring 112, begär giftinformation.**

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS02, GHS07, GHS08, GHS09

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· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Solvent Naphtha (petroleum)/Aromatic. Benzene concentration is <0.1%.
1,2,4-trimethylbenzene
cumene

· **Hazard statements**

H226 *Flammable liquid and vapour.*

H315 *Causes skin irritation.*

H319 *Causes serious eye irritation.*

H335-H336 *May cause respiratory irritation. May cause drowsiness or dizziness.*

H304 *May be fatal if swallowed and enters airways.*

H411 *Toxic to aquatic life with long lasting effects.*

· **Precautionary statements**

P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*

P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*

P321 *Specific treatment (see on this label).*

P331 *Do NOT induce vomiting.*

P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P405 *Store locked up.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Additional information:**

EUH066 *Repeated exposure may cause skin dryness or cracking.*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.











· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35-0000	Solvent Naphtha (petroleum)/Aromatic. Benzene concentration is <0.1%.  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  STOT SE 3, H335-H336	50 -100%
CAS: 95-63-6 EINECS: 202-436-9 Reg.nr.: 01-2119472135-42-0000	1,2,4-trimethylbenzene  Flam. Liq. 3, H226  Aquatic Chronic 2, H411  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25 -50%
CAS: 108-67-8 EINECS: 203-604-4 Reg.nr.: 01-2120738996-34-0000	mesitylene  Flam. Liq. 3, H226  Aquatic Chronic 2, H411  STOT SE 3, H335	10 -25%

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CAS: 98-82-8
 EINECS: 202-704-5
 Reg.nr.: 01-2119473983-24-0000

cumene

-  Flam. Liq. 3, H226
-  Asp. Tox. 1, H304
-  Aquatic Chronic 2, H411
-  Acute Tox. 4, H302; STOT SE 3, H335

2.5 -5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Immediately remove any clothing soiled by the product.
- **After inhalation**
 Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
 In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact**
 Immediately wash with water and soap and rinse thoroughly.
 If skin irritation continues, consult a doctor.
- **After eye contact**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
 No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 If swallowed or in case of vomiting, danger of entering the lungs

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**
 Water.
 Water with full jet.
- **5.2 Special hazards arising from the substance or mixture**
 No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear suitable respiratory protective equipment.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
 Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers /surface or ground water drains.
- **6.3 Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
 Dispose contaminated material as waste according to item 13.
 Ensure adequate ventilation.
 Do not flush with water or aqueous cleansing agents

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- **6.4 Reference to other sections**
 See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Risk of serious damage to eyes.
- **Information about fire - and explosion protection:**
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

64742-95-6 Solvent Naphtha (petroleum)/Aromatic. Benzene concentration is <0.1%.

DNEL	Long-term value: 150 mg/m ³
------	----------------------------------------

95-63-6 1,2,4-trimethylbenzene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
	ILV

108-67-8 mesitylene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
	ILV

98-82-8 cumene

WEL	Short-term value: 250 mg/m ³ , 50 ppm
	Long-term value: 125 mg/m ³ , 25 ppm
	Sk

· **DNELs**

95-63-6 1,2,4-trimethylbenzene

Oral	LD50	5,000 mg/kg (RAT)
Inhalative	LC50/4 h	18 mg/l (RAT)

98-82-8 cumene

Oral	LD50	1,400 mg/kg (rat)
Dermal	LD50	12,300 mg/kg (rbt)
Inhalative	LC50/4 h	24.7 mg/l (mus)

· **Additional information:** The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale dust / smoke / mist.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Rubber gloves
- **Material of gloves:** Nitrile rubber, NBR
- **Penetration time of glove material**
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye protection:**
Safety glasses
Goggles recommended during refilling.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

· Form:	Liquid
· Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.
- **pH-value:** Not determined.
- **Change in condition**

· Melting point/freezing point:	-50 °C
· Initial boiling point and boiling range:	162 °C
- **Flash point:** 38 °C
- **Flammability (solid, gaseous)** Not applicable.
- **Ignition temperature:** 450 °C
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**

· Lower:	0.8 Vol %
· Upper:	7.0 Vol %
- **Vapour pressure at 20 °C:** 5 hPa

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· Density at 20 °C:	0.87 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water at 20 °C:	0.05 g/l
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic at 20 °C:	0.9 mPas
kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.

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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water or water course.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">· 14.1 UN-Number· ADR, IMDG, IATA | UN1268 |
| <ul style="list-style-type: none">· 14.2 UN proper shipping name· ADR· IMDG· IATA | 1268 PETROLEUM DISTILLATES, N.O.S., ENVIRONMENTALLY HAZARDOUS
PETROLEUM DISTILLATES, N.O.S., MARINE POLLUTANT
PETROLEUM DISTILLATES, N.O.S. |
| <ul style="list-style-type: none">· 14.3 Transport hazard class(es)· ADR, IMDG | |
|  | |
| <ul style="list-style-type: none">· Class | 3 Flammable liquids. |

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· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1268 PETROLEUM DISTILLATES, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms GHS02, GHS07, GHS08, GHS09**

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- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
Solvent Naphtha (petroleum)/Aromatic. Benzene concentration is <0.1%.
1,2,4-trimethylbenzene
cumene
- **Hazard statements**
H226 *Flammable liquid and vapour.*
H315 *Causes skin irritation.*
H319 *Causes serious eye irritation.*
H335-H336 *May cause respiratory irritation. May cause drowsiness or dizziness.*
H304 *May be fatal if swallowed and enters airways.*
H411 *Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**
P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*
P321 *Specific treatment (see on this label).*
P331 *Do NOT induce vomiting.*
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
P405 *Store locked up.*
P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Waterhazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H226 *Flammable liquid and vapour.*
H302 *Harmful if swallowed.*
H304 *May be fatal if swallowed and enters airways.*
H315 *Causes skin irritation.*
H319 *Causes serious eye irritation.*
H332 *Harmful if inhaled.*
H335 *May cause respiratory irritation.*
H336 *May cause drowsiness or dizziness.*
H411 *Toxic to aquatic life with long lasting effects.*
- **Department issuing SDS:** *Technical Department.*
- **Contact:** *Mr. S. Appleby*
- **Abbreviations and acronyms:**
ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
IMDG: *International Maritime Code for Dangerous Goods*
IATA: *International Air Transport Association*
GHS: *Globally Harmonised System of Classification and Labelling of Chemicals*
EINECS: *European Inventory of Existing Commercial Chemical Substances*
ELINCS: *European List of Notified Chemical Substances*

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*CAS: Chemical Abstracts Service (division of the American Chemical Society)**DNEL: Derived No-Effect Level (REACH)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

GB