Chemlease® 2185

Version 1.1 Revision Date 11.08.2015 Print Date 10.01.2023

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Chemlease® 2185

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

Use of the Substance/Mixture : Intermediate.

1.3 Details of the supplier of the safety data sheet

Chem-Trend (Deutschland) GmbH
Ganghoferstr. 47
D-82216 Maisach-Gernlinden
Tel.: 0049 (0) 8142417-0
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E-mail address Responsible/issuing person : mcm@chemtrend.de

National contact :

1.4 Emergency telephone number

0049 (0) 8142417-1169

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Highly flammable	R11: Highly flammable.
Harmful	R65: Harmful: may cause lung damage if swallowed.
Irritant	R38: Irritating to skin.
Dangerous for the environment	R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Danger

Hazard statements :

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER or doctor/ physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Hazardous components which must be listed on the label:

64741-66-8	low boiling point modified naphtha
64742-47-8	distillates (petroleum), hydrotreated light
90622-57-4	Alkanes, C9-12-iso-
64742-89-8	low boiling point naphtha

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Index-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
low boiling point modified naphtha	64741-66-8 265-068-8	F; R11 Xi; R38	Flam. Liq. 2; H225 Skin Irrit. 2; H315	>= 50 - < 70

	649-276-00-X /	N; R51/53 Xn; R65 R67	STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	
distillates (petroleum), hydrotreated light	64742-47-8 265-149-8 649-422-00-2 / 01-2119484819-18-0023	R10 N; R51/53 Xn; R65 Xi; R38 R67	Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 15 - < 20
Alkanes, C9-12-iso-	90622-57-4 292-459-0 /	R10 N; R51/53 Xn; R65 R66	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 10 - < 20
low boiling point naphtha	64742-89-8 265-192-2 649-267-00-0 /	F; R11 Xi; R38 N; R51/53 Xn; R65 R67	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.
Note P:
The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene.

4. First aid measures

4.1 Description of first aid measures

If inhaled : Call a physician or poison control centre immediately.
Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
In case of contact, immediately flush skin with plenty of water.
Get medical attention if irritation develops and persists.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
Seek medical advice.

If swallowed : Move the victim to fresh air.
If accidentally swallowed obtain immediate medical attention.

If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
Do NOT induce vomiting.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
Aspiration hazard if swallowed - can enter lungs and cause damage.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	No information available.
Risks	:	None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Fire may cause evolution of:
	:	Do not let product enter drains. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool containers/tanks with water spray.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Evacuate personnel to safe areas.

Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Do not allow contact with soil, surface or ground water.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Non-sparking tools should be used.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Use only in an area containing explosion proof equipment.
Do not use in areas without adequate ventilation.
Do not breathe vapours/dust.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid contact with skin and eyes.
For personal protection see section 8.
Keep away from fire, sparks and heated surfaces.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.
Ensure all equipment is electrically grounded before beginning transfer operations.
Do not ingest.
Do not use sparking tools.
Do not enter areas where used or stored until adequately ventilated.
Do not repack.
Do not re-use empty containers.
These safety instructions also apply to empty packaging which may still contain product residues.
Keep container closed when not in use.
Avoid inhalation of vapour or mist.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Store in original container.

areas and containers	Keep container closed when not in use. Keep in a cool place away from oxidizing agents. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Use only in an area equipped with explosion proof exhaust ventilation.
Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Respiratory protection	:	In the case of vapour formation use a respirator with an approved filter.
Hand protection	:	Protective gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
Eye protection	:	Safety glasses with side-shields conforming to EN166
Hygiene measures	:	Wash face, hands and any exposed skin thoroughly after handling.
Protective measures	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Environmental exposure controls

General advice	:	Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	colourless
Odour	:	amine-like
Odour Threshold	:	No data available
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	115 °C
Flash point	:	6 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Lower explosion limit	:	0.6 %(V)
Upper explosion limit	:	7.6 %(V)
Vapour pressure	:	17 hPa, 20 °C
Relative vapour density	:	No data available
Density	:	0.76 g/cm3, 20 °C
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Ignition temperature	:	> 200 °C
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	< 7 mm2/s, 40 °C
Oxidizing properties	:	No data available

9.2 Other information

Sublimation point	:	No data available
Bulk density	:	No data available

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

Conditions to avoid	:	Heat, flames and sparks. Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid	:	Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products	:	> 150°C small quantities of formaldehyde may be formed.

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	:	Effects due to ingestion may include:
	:	Central nervous system depression
Acute inhalation toxicity	:	Respiration of solvent vapour may cause dizziness.
	:	Inhalation may provoke the following symptoms:, Dizziness, Drowsiness, Vomiting, Fatigue, Vertigo, Central nervous system depression
Acute dermal toxicity	:	Redness, Local irritation
Skin corrosion/irritation	:	Irritating to skin.
Serious eye damage/eye irritation	:	Contact with eyes may cause irritation.
Respiratory or skin sensitisation	:	This information is not available.
Germ cell mutagenicity		
Genotoxicity in vitro	:	No data available
Genotoxicity in vivo	:	No data available
Carcinogenicity	:	No data available
Reproductive toxicity	:	No data available
Teratogenicity	:	No data available
Repeated dose toxicity	:	This information is not available.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.
Further information	:	Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

Components:

low boiling point modified naphtha :

Acute oral toxicity	:	LD50 Oral: > 5,000 mg/kg, Rat
Skin corrosion/irritation	:	Result: Skin irritation
STOT - single exposure	:	Assessment: May cause drowsiness or dizziness.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

distillates (petroleum), hydrotreated light :

Acute oral toxicity	:	LD50 Oral: > 5,000 mg/kg, Rat
Skin corrosion/irritation	:	Rabbit, Result: Skin irritation
STOT - single exposure	:	Exposure routes: Inhalation Assessment: May cause drowsiness or dizziness.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

Alkanes, C9-12-iso- :

Acute oral toxicity	:	LD50 Oral: > 5,000 mg/kg, Rat
Skin corrosion/irritation	:	Result: Repeated exposure may cause skin dryness or cracking.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

low boiling point naphtha :

Acute oral toxicity	:	LD50 Oral: > 5,000 mg/kg, Rat
Skin corrosion/irritation	:	Result: Skin irritation
STOT - single exposure	:	Assessment: May cause drowsiness or dizziness.
Aspiration toxicity	:	May be fatal if swallowed and enters airways.

12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish	:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Toxicity to daphnia and other aquatic invertebrates	:	No data available
Toxicity to algae	:	No data available
Toxicity to bacteria	:	No data available

Components:

low boiling point modified naphtha :

Toxicity to daphnia and other aquatic invertebrates : EC50: > 1 - 10 mg/l, 48 h, Daphnia magna (Water flea)

distillates (petroleum), hydrotreated light :

Toxicity to fish (Chronic toxicity) : NOEC: 0.098 mg/l, 28 d, Oncorhynchus mykiss (rainbow trout)

Alkanes, C9-12-iso- :

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

low boiling point naphtha :

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability :
No data available

Physico-chemical removability : No data available

Components:

low boiling point modified naphtha :

Biodegradability : Result: Not readily biodegradable.

distillates (petroleum), hydrotreated light :

Biodegradability : Result: rapidly biodegradable

Alkanes, C9-12-iso- :

Biodegradability : Result: Readily biodegradable

low boiling point naphtha :

Biodegradability :
No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation :
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Components:

low boiling point modified naphtha :

Bioaccumulation :
No data available

distillates (petroleum), hydrotreated light :

Bioaccumulation : No data available

Alkanes, C9-12-iso- :

Bioaccumulation : No data available

low boiling point naphtha :

Bioaccumulation : No data available

12.4 Mobility in soil

Product:

Mobility	:	No data available
Distribution among environmental compartments	:	No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Additional ecological information	:	Toxic to aquatic life with long lasting effects.

13. Disposal considerations

13.1 Waste treatment methods

Product	:	The product should not be allowed to enter drains, water courses or the soil.
	:	Waste codes should be assigned by the user based on the application for which the product was used.
Contaminated packaging	:	Empty containers can be landfilled, when in accordance with the local regulations.

14. Transport information

14.1 UN number

ADR	:	1993
IMDG	:	1993
IATA	:	1993

14.2 Proper shipping name

ADR	:	FLAMMABLE LIQUID, N.O.S. (low boiling point modified naphtha, distillates (petroleum), hydrotreated light)
IMDG	:	FLAMMABLE LIQUID, N.O.S. (low boiling point modified

		naphtha, distillates (petroleum), hydrotreated light)
IATA	:	FLAMMABLE LIQUID, N.O.S. (low boiling point modified naphtha, distillates (petroleum), hydrotreated light)

14.3 Transport hazard class

ADR	:	3
IMDG	:	3
IATA	:	3

14.4 Packing group

ADR

Packaging group	:	II
Classification Code	:	F1
Hazard Identification Number	:	33
Labels	:	3
Tunnel restriction code	:	(D/E)

IMDG

Packaging group	:	II
Labels	:	3
EmS Number	:	F-E, S-E

IATA

Packing instruction (cargo aircraft)	:	364
Packaging group	:	II
Labels	:	3

14.5 Environmental hazards

ADR

Environmentally hazardous	:	yes

IMDG

Marine pollutant	:	yes

IATA

Environmentally hazardous	:	no

14.6 Special precautions for user

No data available

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

Not available

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
Major Accident Hazard Legislation	:	96/82/EC Update: Highly flammable 7b Quantity 1: 5,000 t Quantity 2: 50,000 t

: 96/82/EC Update:
Dangerous for the environment
9b
Quantity 1: 200 t
Quantity 2: 500 t

15.2 Chemical Safety Assessment
This information is not available.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R11	Highly flammable.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.