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

1.1. Product identifier

Treatex Thinner 1191

Registration no.

EC No.:	292-460-6
CAS No.	90622-58-5

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

Use of the substance/preparation

Surface treatment of wood and other materials

1.3. Details of the supplier of the safety data sheet

Producer

Treatex Ltd, Unit I, Howland Road Business Park,
Howland Road, Thame, Oxfordshire,
OX9 3GQ

Telephone no.	+44 (0) 1844 260416
Fax no.	+44 (0) 1844 358160
E-mail address	info@treatex.co.uk

1.4. Emergency telephone number

+49 (0) 30 30686700

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1	H304
Aquatic Chronic 4	H413

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Reference to other sections 2.2. Label elements

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

-

Hazard pictograms

Signal word

Danger

Hazard statements

H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statements

P273	Avoid release to the environment.
P309+P315	IF exposed or if you feel unwell: Get immediate medical advice/attention.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501.b	Dispose of contents/ container to an approved waste disposal plant.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains alkanes, C11-14-iso-

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

Hazard symbols

Harmful

R phrases

53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.

S phrases

2	Keep out of the reach of children.
23.6	Do not breathe spray, vapour.
51	Use only in well-ventilated areas.
62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazardous component(s) to be indicated on label

contains alkanes, C11-14-iso-

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB) (if not listed in Section 3).

3. Composition/information on ingredients

Hazardous ingredients (Regulation (EC) No. 1272/2008)

alkanes, C11-14-iso-

CAS No.	90622-58-5
EINECS no.	918-167-1
Registration no.	01-2119472146-39
Concentration	>= 50 %
Classification	Xn, R65 R66 R53

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1 H304

Aquatic Chronic 4	H413	
	EUH066	

Hazardous ingredients (Directive 1999/45/EEC)

alkanes, C11-14-iso-

CAS No.	90622-58-5			
EINECS no.	918-167-1			
Registration no.	01-2119472146-39			
Concentration		>=	50	%
Classification	Xn, R65 R66 R53			

Classification (Regulation (EC) No. 1272/2008)

Asp. Tox. 1	H304
Aquatic Chronic 4	H413
	EUH066

Further hazardous ingredients

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) (if not listed in Section 3).

4. First aid measures

4.1. Description of first aid measures

General information

When symptoms persist or in all cases of doubt seek medical advice. If unconscious place in recovery position and seek medical advice. First aider needs to protect himself. Move out of dangerous area.

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Keep patient warm and at rest. Consult a physician for severe cases.

After skin contact

Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If skin irritation persists, call a physician.

After eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

After ingestion

Do NOT induce vomiting. Consult a physician.

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

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. The liquid splashed in the eyes may cause irritation and reversible damage.

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

Hints for the physician / treatment

Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Non suitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Wear self contained breathing apparatus for fire fighting if necessary.

Other information

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. Standard procedure for chemical fires.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapours, mist or gas.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Contact the proper local authorities.

6.3. Methods and material for containment and 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). Clean contaminated floors and objects thoroughly while observing environmental regulations. Clean with detergents. Avoid solvents. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Keep containers tightly closed in a dry, cool and well-ventilated place. Use only with adequate ventilation/personal protection. Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke. Use personal protective equipment. For personal protection see section 8.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Take measures to prevent the build up of electrostatic charge. Wear shoes with conductive soles. No sparking tools should be used. Standard procedure for chemical fires.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in an area equipped with solvent resistant flooring. Store at room temperature in the original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Keep away from oxidising agents and strongly acid or alkaline materials.

Further information on storage conditions

Keep away from heat. Protect from sunlight. Protect from frost - <10%, for a solvent content (see section 15 VOC). Keep away from sources of ignition - No smoking. Store in accordance with the particular national regulations.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

alkanes, C11-14-iso-

List	EH40	
Value	1200	mg/m³

Status: 03/2013

8.2. Exposure controls

Exposure controls

Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Respiratory protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Recommended Filter type: Combination filter: A2-P2 (EN 141, 143, 371)

Hand protection

Protective gloves complying with EN 374.
Glove material
Multilayer gloves made from
Appropriate Material Fluorinated rubber / butyl-rubber
This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.
The exact break through time can be obtained from the protective glove producer and this has to be observed.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection

Safety glasses with side-shields conforming to EN166

Body protection

Wear suitable protective clothing. Remove and wash contaminated clothing before re-use. Wash hands

before breaks and at the end of workday.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid			
Colour	colourless			
Odour	mild			
Odour threshold				
Remarks	no data available			
pH value				
Remarks	no data available			
Melting point				
Remarks	no data available			
Freezing point				
Remarks	no data available			
Initial boiling point and boiling range				
Value	180	to	198	°C
Flash point				
Value	61			°C
Flammability (solid, gas)				
no data available				
Upper/lower flammability or explosive limits				
Lower explosion limit	0,5			%(V)
Vapour density				
Remarks	no data available			
Density				
Value	0,8	to	0,8	g/cm³
Temperature	20	°C		
Solubility in water				
Remarks	no data available			
Solubility(ies)				
Remarks	no data available			
Partition coefficient: n-octanol/water				
Remarks	no data available			
Ignition temperature				
Remarks	no data available			
Decomposition temperature				
Remarks	no data available			
Viscosity				
Remarks	no data available			
Efflux time				
Value	20	to	48	s
Temperature	20	°C		
Method	DIN EN ISO 2431 - 3 mm			

Explosive properties

evaluation	no data available

Oxidising properties

Remarks	no data available

10. Stability and reactivity

10.1. Reactivity

No conditions to be specially mentioned.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

To avoid thermal decomposition, do not overheat.

10.4. Conditions to avoid

Heat, flames and sparks.

Decomposition temperature

Remarks	no data available

10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6. Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke. No decomposition if stored and applied as directed.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

alkanes, C11-14-iso-

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)

alkanes, C11-14-iso-

Species	rabbit		
LD50	>	5000	mg/kg

Acute inhalative toxicity (Components)

alkanes, C11-14-iso-

Species	rat			
LC50	>	5,6		mg/l
Duration of exposure	=	4	h	
Remarks	Mist			

Other information

No data is available on the product itself.

12. Ecological information

12.1. Toxicity

General information

No data is available on the product itself.

Daphnia toxicity (Components)

alkanes, C11-14-iso-

Species	Daphnia magna (Water flea)		
EC50	>	1000	mg/l
Duration of exposure		48	h

12.2. Persistence and degradability

General information

No data is available on the product itself.

Biodegradability (Components)

alkanes, C11-14-iso-

evaluation: Not readily biodegradable.

12.3. Bioaccumulative potential

General information

No data is available on the product itself.

Partition coefficient: n-octanol/water

Remarks: no data available

12.4. Mobility in soil

General information

No data is available on the product itself.

Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

General information

Not applicable

12.6. Other adverse effects

General information

No data is available on the product itself.

General information / ecology

No data is available on the product itself.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code: 140603 - other solvents and solvent mixtures

EWC waste code: 200113 - solvents

Where possible recycling is preferred to disposal or incineration.

Try to prevent the material from entering drains or water courses.

modified product

EWC waste code: 070304 - other organic solvents, washing liquids and mother

liquors

Disposal recommendations for packaging

EWC waste code — 150110 - packaging containing residues of or contaminated by dangerous substances

Empty remaining contents.
Empty containers should be taken to local recyclers for disposal.

14. Transport information

Land transport ADR/RID

Not classified as dangerous in the meaning of transport regulations.

Marine transport IMDG/GGVSee

Not classified as dangerous in the meaning of sea and air transport regulations.

14.5. Environmental hazards

no

Air transport ICAO/IATA

Not a dangerous substance as defined in the above regulations.

15. Regulatory information

Ingredients (Regulation (EC) No 648/2004)

VOC

VOC (EU)	100	%	762	g/l

16. Other information

R-phrases listed in Chapter 3

53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.

Hazard statements listed in Chapter 3

EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

CLP categories listed in Chapter 3

Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1

Abbreviations

ADR - Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning theInternational Transport of Dangerous Goods by Rail)
IMDG - International Maritime Code for Dangerous Goods
IATA - International Air Transport Association
IATA-DGR - Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO-TI - Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
EINECS - European Inventory of Existing Commercial Chemical Substances
CAS - Chemical Abstracts Service (division of the American Chemical Society)
GefStoffV - Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL - Lowest Observed Adverse Effect Level

LOEL - Lowest Observed Effect Level
NOAEL - No Observed Adverse Effect Level
NOEC - No Observed Effect Concentration
NOEL - No Observed Effect Level
OECD - Organisation for Econpmic Cooperation and Development
VOC - Volatile Organic Compounds

Changes since the last version are highlighted in the margin (***). This version replaces all previous versions.
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
The 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, unless specified in the text.
The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.