



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Loctite 315

sds no. : 153573
V002.0

Revision: 17.05.2010
printing date: 12.09.2011

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

Trade name:

Loctite 315

Intended use:

Anaerobic Adhesive

Company name:

Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000
Fax-no.: +44 (0)1442 278071

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.

3. Composition / information on ingredients

General chemical description:

Anaerobic adhesive

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Tetrahydrofurfuryl methacrylate 2455-24-5	219-529-5	15 - 25 %	Xi - Irritant; R36/37/38
Hydroxypropyl methacrylate 27813-02-1	248-666-3	1 - 10 %	Xi - Irritant; R36, R43
Cumene hydroperoxide 80-15-9	201-254-7	1 - 3 %	T - Toxic; R23 Xn - Harmful; R21/22, R48/20/22 O - Oxidizing; R7 C - Corrosive; R34 N - Dangerous for the environment; R51, R53
Cumene 98-82-8	202-704-5	0,1 - 1 %	R10 Xn - Harmful; R65 Xi - Irritant; R37 N - Dangerous for the environment; R51, R53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice.

5. Fire fighting measures

Combustion behaviour:

Non flammable product (flash point is greater than 100°C (CC))

Suitable extinguishing media:

Carbon dioxide, foam, powder

Special protection equipment for firefighters:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Hazardous combustion products:

Toxic and irritating vapors.

6. Accidental release measures

Personal precautions:

Avoid skin and eye contact.

Environmental precautions:

Do not let product enter drains.

Clean-up methods:

For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

7. Handling and storage

Handling:

Use only in well-ventilated areas.
Avoid skin and eye contact.
Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Storage:

For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C (35.6 - 46.4 °F)

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for
Great Britain
Basis
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
CUMENE 98-82-8	25	125	Time Weighted Average (TWA).		EH40 WEL
CUMENE 98-82-8	50	250	Short Term Exposure Limit (STEL):		EH40 WEL
CUMENE 98-82-8			Skin designation:	Can be absorbed through the skin.	EH40 WEL
CUMENE 98-82-8			Skin designation:	Can be absorbed through the skin.	ECTLV
CUMENE 98-82-8	50	250	Short Term Exposure Limit (STEL):	Indicative	ECTLV
CUMENE 98-82-8	20	100	Time Weighted Average (TWA).	Indicative	ECTLV

Respiratory protection:

Use only in well-ventilated areas.

Hand protection:

The use of chemical resistant gloves such as Nitrile are recommended. Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Wear protective glasses.

Skin protection:

Wear suitable protective clothing.

General protection and hygiene measures:

Good industrial hygiene practices should be observed.

9. Physical and chemical properties

General characteristics:

Appearance: Paste
Blue
Odor: Mild

Phys./chem. properties:

pH-value: Not determined
Boiling point: > 150 °C (> 302 °F)
Flash point: > 93,3 °C (> 199,94 °F)
Vapor pressure (20 °C (68 °F)): < 6,5 mbar
Density: 1,6 - 1,7 g/cm³
()
Solubility (qualitative) (Solvent: Water): Slight
Solubility (qualitative) (Solvent: Acetone): partially soluble
VOC content (1999/13/EC): < 3 %

10. Stability and reactivity**Conditions to avoid:**

Stable under normal conditions of storage and use.

11. Toxicological information**Oral toxicity:**

May cause irritation to the digestive tract.

Inhalative toxicity:

Irritating to respiratory system

Skin irritation:

It is irritating and sensitising to the skin

Eye irritation:

Irritating to eyes.

12. Ecological information**Ecotoxicity:**

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
Cumene hydroperoxide 80-15-9	Ide, silver or golden orfe (Leuciscus idus)	48 h	LC 50	14 mg/l
Cumene hydroperoxide 80-15-9	Water flea (Daphnia magna)	24 h	EC 50	7 mg/l
Cumene 98-82-8	Trout family (Salmonidae)	96 h	LC 50	4,8 mg/l

General ecological information:

Do not empty into drains / surface water / ground water.

13. Disposal considerations**Product disposal:**

Dispose of in accordance with local and national regulations.

Contribution of this product to waste is very insignificant in comparison to article in which it is used

14. Transport information**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

15. Regulations - classification and identification

Indication of danger:

Xi - Irritant



Contains

Hydroxypropyl methacrylate

Risk phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.

Safety phrases:

S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37 Wear suitable protective clothing and gloves.

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R10 Flammable.
R21/22 Harmful in contact with skin and if swallowed.
R23 Toxic by inhalation.
R34 Causes burns.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R43 May cause sensitisation by skin contact.
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R51 Toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R7 May cause fire.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.



Safety Data Sheet according to (EC) No 1907/2006

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LOCTITE 7386 ACT 500 ML C10

sds no. : 173280

V003.1

Revision: 17.08.2011

printing date: 08.09.2011

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

Product identifier:

LOCTITE 7386 ACT 500 ML C10

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

Intended use:
activator

Details of the supplier of the safety data sheet:

Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000

Fax-no.: +44 (0)1442 278071

ua-productsafety.uk@uk.henkel.com

Emergency Telephone Number:

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):

F - Highly flammable

R11 Highly flammable.

Xn - Harmful

R21/22 Harmful in contact with skin and if swallowed.

Xn - Harmful

R65 Harmful: may cause lung damage if swallowed.

Xi - Irritant

R36/38 Irritating to eyes and skin.

N - Dangerous for the
environment

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

Label elements (DPD):

F - Highly flammable

Xn - Harmful

N - Dangerous for the environment



Risk phrases:

- R11 Highly flammable.
- R21/22 Harmful in contact with skin and if swallowed.
- R36/38 Irritating to eyes and skin.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe vapour.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28 After contact with skin, wash immediately with plenty of water and soap.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Additional labeling:

- For consumer use only: S2 Keep out of the reach of children
- S46 If swallowed, seek medical advice immediately and show this container or label.

Contains:

- n-Heptane,
- Diethyl-phenyl-propyl-dihydropyridine

Other hazards:

- None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:

- Solvent based activator.

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
n-Heptane 142-82-5	205-563-8	> 50- < 70 %	Flammable liquids 2 H225 Aspiration hazard 1 H304 Skin irritation 2 H315 Specific target organ toxicity - single exposure 3 H336 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Propan-2-ol 67-63-0	200-661-7	> 10- < 20 %	Specific target organ toxicity - single exposure 3 H336 Flammable liquids 2 H225 Serious eye irritation 2 H319

**Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.**

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
n-Heptane 142-82-5	205-563-8	>= 50 - <= 100 %	Xi - Irritant; R38 R67 F - Highly flammable; R11 Xn - Harmful; R65 N - Dangerous for the environment; R50/53
Diethyl-phenyl-propyl-dihydropyridine 34562-31-7	252-091-3	>= 25 - < 50 %	Xn - Harmful; R21/22 Xi - Irritant; R36/38
Propan-2-ol 67-63-0	200-661-7	>= 15 - < 20 %	Xi - Irritant; R36 F - Highly flammable; R11 R67
2-Ethylhex-2-enal 645-62-5	211-448-3	>= 0,1 - < 1 %	Xi - Irritant; R38, R43

**For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.**

SECTION 4: First aid measures**Description of first aid measures:****Inhalation:**

Move to fresh air.
Seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Most important symptoms and effects, both acute and delayed:

ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema

Indication of any immediate medical attention and special treatment needed:

Swallowing may cause irritation of mouth, throat and digestive tract, diarrhoea and vomiting
Do not induce vomiting.
Seek medical attention from a specialist.

SECTION 5: Firefighting measures

Combustion behaviour:

Solvent containing flammable product. In case of fire toxic gases are released.

Extinguishing media:

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

Special hazards arising from the substance or mixture:

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Advice for firefighters:

Wear self-contained breathing apparatus.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Remove sources of ignition.
Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

Wipe up using absorbent material.
Store in a partly filled, closed container until disposal.
Dispose of contaminated material as waste according to Chapter 13.

Reference to other sections:

See advice in chapter 8

SECTION 7: Handling and storage

Precautions for safe handling:

Keep away from sources of ignition - no smoking.
Vapours should be extracted to avoid inhalation.
Use only in well-ventilated areas.

Hygiene measures:

Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place.
Do not store near sources of heat or ignition, or reactive materials.

Specific end use(s):

activator

SECTION 8: Exposure controls/personal protection

Control parameters:

Valid for
Great Britain

Ingredient	ppm	mg/m ³	Type	Category	Remarks
N-HEPTANE 142-82-5	500		Time Weighted Average (TWA):		EH40 WEL
N-HEPTANE 142-82-5	500	2.085	Time Weighted Average (TWA):	Indicative	ECLTV
PROPAN-2-OL 67-63-0	400	999	Time Weighted Average (TWA):		EH40 WEL
PROPAN-2-OL 67-63-0	500	1.250	Short Term Exposure Limit (STEL):		EH40 WEL

Exposure controls:

Respiratory protection:

Do not inhale vapors and fumes.
Use only in well-ventilated areas.

Hand protection:

Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; ≥ 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; ≥ 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Wear protective glasses.

Skin protection:

Suitable protective clothing

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	liquid clear yellow, Amber, greenish
Odor	Aliphatic
pH	not applicable
Initial boiling point	Not determined
Flash point	< 0 °C (< 32 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	35 mm hg
Density (ρ)	0,8 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	Insoluble
Solidification temperature	No data available / Not applicable

Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	Heavier than air
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

SECTION 10: Stability and reactivity

Reactivity:

Strong oxidizing agents.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.

Incompatible materials:

No data available.

Hazardous decomposition products:

None if used for intended purpose.

SECTION 11: Toxicological information

General toxicological information:

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

Harmful if swallowed.
Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

Inhalative toxicity:

May cause headache and dizziness.

Dermal toxicity:

Harmful in contact with skin.

Skin irritation:

Irritating to the skin.
Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.
Irritating to the skin.
Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

Eye irritation:

May cause mild irritation to the eyes.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LD50	5.338 mg/kg	oral	4 h	rat	
	LC50	72,6 mg/l	inhalation		rat	
	LD50	12.870 mg/kg	dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Diethyl-phenyl-propyl- dihydropyridine 34562-31-7	irritating			
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Diethyl-phenyl-propyl- dihydropyridine 34562-31-7	not irritating			
Propan-2-ol 67-63-0	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
n-Heptane 142-82-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Propan-2-ol 67-63-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Propan-2-ol 67-63-0	NOAEL=1500	inhalation	13 weeks 6 hours/day, 5 days/week	mouse	

SECTION 12: Ecological information**General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Ecotoxicity:

Very toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.
Do not empty into drains / surface water / ground water.

Mobility:

The product evaporates readily.

Persistence and Biodegradability:

No data available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
n-Heptane 142-82-5	LC50	220 - 270 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Heptane 142-82-5	EC50	1,5 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propan-2-ol 67-63-0	LC50	9.640 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	EC50	13.299 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-Ethylhex-2-enal 645-62-5	LC50	10 - 22 mg/l	Fish	96 h	Leuciscus idus	
2-Ethylhex-2-enal 645-62-5	EC50	20 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
2-Ethylhex-2-enal 645-62-5	EC50	27,7 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Propan-2-ol 67-63-0	readily biodegradable	aerobic	95 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
2-Ethylhex-2-enal 645-62-5	readily biodegradable	aerobic	75 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Heptane 142-82-5	4,66					
Propan-2-ol 67-63-0	0,05					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
2-Ethylhex-2-enal 645-62-5	2,38				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 13: Disposal considerations**Waste treatment methods:**

Product disposal:

Dispose of according to regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code

14 06 03 - other solvents and solvent mixtures

SECTION 14: Transport information**Road transport ADR:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Tunnelcode:	(D/E)
Additional information:	Special provision 640D
Additional substance property:	Environmentally Hazardous

Railroad transport RID:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Tunnelcode:	
Additional information:	Special provision 640D
Additional substance property:	Environmentally Hazardous

Inland water transport ADN:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Additional information:	Special provision 640D
Additional substance property:	Environmentally Hazardous

Marine transport IMDG:

Class:	3
Packaging group:	II
UN no.:	1993
Label:	3
EmS:	F-E ,S-E
Seawater pollutant:	Marine pollutant
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)

Air transport IATA:

Class:	3
Packaging group:	II
Packaging instructions (passenger)	353
Packaging instructions (cargo)	364
UN no.:	1993
Label:	3
Proper shipping name:	Flammable liquid, n.o.s. (Heptanes,Isopropanol)

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content (1999/13/EC)	100 %
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SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R11 Highly flammable.
- R21/22 Harmful in contact with skin and if swallowed.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R67 Vapours may cause drowsiness and dizziness.

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Further information:

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.