

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

Page 1 of 14

SDS No.: 153927

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Replaces version from: 16.10.2013

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

1.1. Product identifier

LOCTITE X33S-07I known as FLUX X33S-07I 200L

LOCTITE X33S-07I known as FLUX X33S-07I 200L

Contains:

Propan-2-ol

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

Intended use: Liquid Flux

1.3. Details of the supplier of the safety data sheet

Henkel Ltd Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000 Fax-no.: +44 1442 278071

 $ua\text{-}products a fety. uk @\,henkel.com$

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Flammable liquids Category 2

H225 Highly flammable liquid and vapor.

Serious eye irritation Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure Category 3

H336 May cause drowsiness or dizziness. Target organ: Central Nervous System

2.2. Label elements

Label elements (CLP):



Signal word:	Danger
Hazard statement:	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary statement: Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing fume.
Precautionary statement: Response	P337+P313 If eye irritation persists: Get medical advice/attention.
Precautionary statement: Storage	P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Avoid breathing fumes given out during soldering.

Flux fumes may irritate the nose, throat and lungs and may after prolonged/repeated exposure give an allergic reaction (asthma). After handling solder wash hands with soap and water before eating, drinking or smoking.

Keep out of reach of children.

Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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

Hazardous components	EC Number	content	Classification
CAS-No.	REACH-Reg No.		
Propan-2-ol	200-661-7	50- 100 %	Flam. Liq. 2
67-63-0	01-2119457558-25		H225
			Eye Irrit. 2
			H319
			STOT SE 3
			H336
Adipic acid	204-673-3	1-< 3 %	Eye Dam. 1
124-04-9	01-2119457561-38		H318

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.

SECTION 4: First aid measures

4.1. Description of 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 water, also under the eyelids, for at least 15 minutes.

Seek medical advice.

Ingestion:

Do not induce vomiting.

Seek medical advice.

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

EYE: Irritation, conjunctivitis.

Vapors may cause drowsiness and dizziness.

Flux fumes may irritate the nose, throat and lungs and may after prolonged/repeated exposure give an allergic reaction (asthma).

Prolonged or repeated contact may cause skin irritation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

Can form explosive gas/air mixtures.

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. 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

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Wear protective equipment.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Remove all sources of ignition.

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.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.

See advice in section 8

Use only in well-ventilated areas.

Keep away from sources of ignition - no smoking.

Wear suitable protective clothing, safety glasses and gloves.

Take measures to prevent the build-up of electrostatic charges.

Hygiene measures:

Good industrial hygiene practices should be observed. Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction. Store in a cool, well-ventilated place. Keep away from sources of ignition. Refer to Technical Data Sheet

7.3. Specific end use(s)

Liquid Flux

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for

Great Britain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Propan-2-ol	500	1.250	Short Term Exposure		EH40 WEL
67-63-0			Limit (STEL):		
[PROPAN-2-OL]					
Propan-2-ol	400	999	Time Weighted Average		EH40 WEL
67-63-0			(TWA):		
[PROPAN-2-OL]					

Occupational Exposure Limits

Valid for

Ireland

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]	400		Short Term Exposure Limit (STEL):		IR_OEL
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]	200		Time Weighted Average (TWA):		IR_OEL
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]			Skin designation:	Can be absorbed through the skin.	IR_OEL
Adipic acid 124-04-9 [ADIPIC ACID]		5	Time Weighted Average (TWA):		IR_OEL

$\label{eq:predicted} \textbf{Predicted No-Effect Concentration (PNEC):}$

Name on list	Environmental Compartment	Exposure period	Value				Remarks
	•	•	mg/l	ppm	mg/kg	others	
Propan-2-ol	aqua		140,9 mg/l				
67-63-0	(freshwater)						
Propan-2-ol	aqua (marine		140,9 mg/l				
67-63-0	water)						
Propan-2-ol	sediment				552 mg/kg		
67-63-0	(freshwater)						
Propan-2-ol	sediment				552 mg/kg		
67-63-0	(marine water)						
Propan-2-ol	soil				28 mg/kg		
67-63-0							
Propan-2-ol	aqua		140,9 mg/l				
67-63-0	(intermittent						
	releases)						
Propan-2-ol	sewage		2251 mg/l				
67-63-0	treatment plant						
	(STP)						
Propan-2-ol	oral				160 mg/kg		
67-63-0							
Adipic acid	aqua		0,126 mg/l				
124-04-9	(freshwater)						
Adipic acid	aqua		0,46 mg/l				
124-04-9	(intermittent						
	releases)						
Adipic acid	aqua (marine		0,0126				
124-04-9	water)		mg/l				
Adipic acid	sewage		59,1 mg/l				
124-04-9	treatment plant						
	(STP)						
Adipic acid	sediment				0,484		
124-04-9	(freshwater)				mg/kg		
Adipic acid	sediment				0,0484		
124-04-9	(marine water)				mg/kg		
Adipic acid	soil				0,0228		
124-04-9					mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Propan-2-ol 67-63-0	Workers	dermal	Long term exposure - systemic effects		888 mg/kg	
Propan-2-ol 67-63-0	Workers	inhalation	Long term exposure - systemic effects		500 mg/m3	
Propan-2-ol 67-63-0	General population	dermal	Long term exposure - systemic effects		319 mg/kg	
Propan-2-ol 67-63-0	General population	inhalation	Long term exposure - systemic effects		89 mg/m3	
Propan-2-ol 67-63-0	General population	oral	Long term exposure - systemic effects		26 mg/kg	
Adipic acid 124-04-9	General population	oral	Acute/short term exposure - systemic effects		19 mg/kg	
Adipic acid 124-04-9	General population	dermal	Long term exposure - systemic effects		19 mg/kg	
Adipic acid 124-04-9	General population	oral	Long term exposure - systemic effects		19 mg/kg	
Adipic acid 124-04-9	General population	inhalation	Long term exposure - systemic effects		65 mg/m3	
Adipic acid 124-04-9	Workers	dermal	Acute/short term exposure - systemic effects		38 mg/kg	
Adipic acid 124-04-9	Workers	inhalation	Acute/short term exposure - systemic effects		264 mg/m3	
Adipic acid 124-04-9	Workers	inhalation	Acute/short term exposure - local effects		5 mg/m3	
Adipic acid 124-04-9	Workers	dermal	Long term exposure - systemic effects		38 mg/kg	
Adipic acid 124-04-9	Workers	inhalation	Long term exposure - systemic effects		264 mg/m3	
Adipic acid 124-04-9	Workers	inhalation	Long term exposure - local effects		5 mg/m3	
Adipic acid 124-04-9	General population	dermal	Acute/short term exposure - systemic effects		19 mg/kg	
Adipic acid 124-04-9	General population	inhalation	Acute/short term exposure - systemic effects		65 mg/m3	

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:

Ensure adequate ventilation, especially in confined areas.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Extraction is necessary to remove fumes evolved during reflow.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly

ventilated area

Filter type: A (EN 14387)

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:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing. Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance liquid

clear colourless

Odor isopropanolic

Odour threshold No data available / Not applicable

pH Not applicable

Melting point No data available / Not applicable Solidification temperature No data available / Not applicable

Initial boiling point 82,0 °C (179.6 °F) Flash point 12 °C (53.6 °F)

Evaporation rate No data available / Not applicable Flammability No data available / Not applicable

Explosive limits

 lower
 2 %(V)

 upper
 12 %(V)

 Vapour pressure
 6,6 kPa

(25 °C (77 °F))
Relative vapour density:
No data available / Not applicable

Density 0,792 g/cm3

(25 °C (77 °F))

Bulk density

No data available / Not applicable
Solubility

No data available / Not applicable

Solubility (qualitative) fully miscible

(Solvent: Water)

Solubility (qualitative) Miscible

(25 °C (77 °F); Solvent: Water)

Partition coefficient: n-octanol/water No data available / Not applicable

Auto-ignition temperature 399 °C (750.2 °F)

Decomposition temperature

Viscosity

No data available / Not applicable

Viscosity (kinematic)

No data available / Not applicable

Viscosity (kinematic)

No data available / Not applicable

Explosive properties

No data available / Not applicable

Oxidising properties

No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with strong oxidants.

Dissolves aluminium and zinc slowly with formation of hydrogen.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 11: Toxicological information

General toxicological information:

Prolonged or repeated contact may cause skin irritation.

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Propan-2-ol 67-63-0	LD50	5.840 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Adipic acid 124-04-9	LD50	5.560 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Adipic acid 124-04-9	LD50	5.560 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Propan-2-ol	LD50	12.870 mg/kg	rabbit	not specified
67-63-0				
Adipic acid	LD50	> 7.940 mg/kg	rabbit	not specified
124-04-9				

Acute inhalative toxicity:

Fumes evolved at soldering temperatures will irritate the nose, throat and lungs. Prolonged or repeated exposure to flux fumes may result in sensitisation in sensitive workers.

Hazardous substances	Value	Value	Test atmosphere	Exposure	Species	Method
CAS-No.	type			time		
Propan-2-ol	LC50	72,6 mg/l		4 h	rat	not specified
67-63-0						
Adipic acid	LC50	> 7,7 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute
124-04-9						Inhalation Toxicity)

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Result	Exposure	Species	Method
CAS-No.		time		
Propan-2-ol	slightly	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
67-63-0	irritating			
Adipic acid	slightly	24 h	rabbit	not specified
124-04-9	irritating			

Serious eye damage/irritation:

Fumes emitted during soldering may irritate the eyes.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Adipic acid 124-04-9	corrosive	24 h	rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Adipic acid 124-04-9	not sensitising	Guinea pig maximisation test	guinea pig	not specified

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Propan-2-ol 67-63-0	negative with metabolic activation	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Adipic acid 124-04-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Adipic acid 124-04-9	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propan-2-ol 67-63-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components	Result	Route of	Exposure	Species	Sex	Method
CAS-No.		application	time /			
			Frequency			
			of treatment			
Propan-2-ol		inhalation:	104 w	rat	male/female	OECD Guideline 451
67-63-0		vapour	6 h/d, 5 d/w			(Carcinogenicity
						Studies)

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result / Value	Test type	Route of	Species	Method
CAS-No.			application		
Propan-2-ol	NOAEL P 853 mg/kg	One	oral:	rat	OECD Guideline 415 (One-
67-63-0		generation	drinking		Generation Reproduction
		study	water		Toxicity Study)
Propan-2-ol	NOAEL P 500 mg/kg	Two	oral: gavage	rat	OECD Guideline 416 (Two-
67-63-0		generation			Generation Reproduction
	NOAEL F1 1.000 mg/kg	study			Toxicity Study)
		·			

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Propan-2-ol		inhalation:	at least 104 w	rat	not specified
67-63-0		vapour	6 h/d, 5 d/w		

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

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

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Propan-2-ol	LC50	> 9.640 - 10.000 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish,
67-63-0					Acute Toxicity Test)
Adipic acid	LC50	97 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish,
124-04-9					Acute Toxicity Test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Adipic acid	EC50	46 mg/l	48 h	Daphnia magna	OECD Guideline 202
124-04-9					(Daphnia sp. Acute
					Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Propan-2-ol	NOEC	30 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia
67-63-0					magna, Reproduction Test)
Adipic acid	NOEC	6,3 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia
124-04-9					magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Algae Growth Inhibition Test)
Propan-2-ol 67-63-0	NOEC	1.000 mg/l	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Algae Growth Inhibition Test)
Adipic acid 124-04-9	EC50	59 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga- Growth Inhibition Test)
Adipic acid 124-04-9	NOEC	41 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Propan-2-ol	EC50	> 1.000 mg/l	3 h	activated sludge	OECD Guideline 209
67-63-0				_	(Activated Sludge,
					Respiration Inhibition Test)
Adipic acid	EC50	4.747 mg/l	3 h	activated sludge	OECD Guideline 209
124-04-9		_		_	(Activated Sludge,
					Respiration Inhibition Test)

12.2. Persistence and degradability

No data available for the product.

Hazardous substances	Result	Test type	Degradability	Exposure	Method
CAS-No.				time	
Propan-2-ol	readily biodegradable	aerobic	70 - 84 %	30 d	EU Method C.4-E (Determination
67-63-0					of the "Ready"
					BiodegradabilityClosed Bottle
					Test)
Adipic acid	inherently biodegradable	aerobic	> 90 %	5 d	EU Method C.9 (Biodegradation:
124-04-9					Zahn-Wellens Test)
Adipic acid	readily biodegradable	aerobic	83 %	30 d	OECD Guideline 301 D (Ready
124-04-9					Biodegradability: Closed Bottle
					Test)

12.3. Bioaccumulative potential

No data available for the product.

No substance data available.

12.4. Mobility in soil

The product evaporates readily.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Propan-2-ol 67-63-0	0,05		OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Adipic acid 124-04-9	0,093	25 °C	other guideline:

12.5. Results of PBT and vPvB assessment

Hazardous substances	PBT / vPvB
CAS-No.	
Propan-2-ol	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
67-63-0	Bioaccumulative (vPvB) criteria.
Adipic acid	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
124-04-9	Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of as hazardous waste in compliance with local and national regulations.

Incineration under controlled conditions is recommended.

Disposal of uncleaned packages:

Dispose of as unused product.

Waste code

14 06 03 - other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

14.1. UN number

1219
1219
1219
1219
1219

14.2. UN proper shipping name

ADR	ISOPROPANOL (solution)
RID	ISOPROPANOL (solution)
ADN	ISOPROPANOL (solution)
IMDG	ISOPROPANOL (solution)
IATA	Isopropanol (solution)

14.3. Transport hazard class(es)

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

14.4. Packing group

ADR	II
RID	II
ADN	II
IMDG	II
IATA	II

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable
	Tunnelcode: (D/E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

VOC content (2010/75/EC) 97 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Great Britain):

Remarks

The Health & Safety at Work Act 1974.

The Control of Substances Hazardous to Health Regulations. L5:General Approved Code of Practice to the COSHH Regulations. HS(G)97:A Step by Step Guide to the COSHH Regulations. HS(G)193:COSHH essentials: Easy steps to control chemicals.

IND (G)248L:Solder fume and you. IND(G)249L:Controlling health risks from rosin (colophony) based solder fluxes.

The Control of Lead at Work Regulations. L132:Control of Lead at Work: Approved Code of Practice and Guidance.

Employees should be under medical surveillance if the risk assessment made under the Control of Lead at Work Regulations indicates they are likely to be exposed to significant concentrations of lead, or if an Employment Medical Advisor or appointed doctor so certifies.

A woman employed on work which exposes her to lead should notify her employer as soon as possible if she becomes pregnant. The Employment Medical Advisor / Appointed Doctor should be informed of the pregnancy.

Under the Management of Health and Safety at Work Regulations, employers are required to assess the particular risks to health at work of pregnant workers and workers who have recently given birth or who are breast feeding.

workers who have recently given birth or who are breast feeding.

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:

H225 Highly flammable liquid and vapor.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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 it's subsequent amendments, and Commission Directive 1999/45/EC.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.