

1 Identification of the substance / preparation and of the company
1.1 Product identifier

Product name : Weldtite Rubber Solution
 Product No. 02001 (5g), 02002/02022 (15g) & any Weldtite branded other 5g or 15g tubes

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

Identified uses: Adhesive.

1.3 Details of the supplier of the safety data sheet

Company Weldtite Products Ltd
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 Barton upon Humber, North Lincolnshire DN18 5RP UK
 T: +44 (0)1652 660000, F: +44 (0)1652 660066
 E : sales@weldtite.co.uk, W : www.weldtite.co.uk

Responsible

1.4 Emergency phone: **44 (0)1652660000 (Available 08.30 to 17.00)

2 Hazards identification
2.1 Classification of the substance or mixture
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	Skin Irrit. 2 - H315; STOT SE 3 - H336
Environment	Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Xi; R38. F; R11. N; R50/53. R67.
 The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health The liquid may be irritating to skin.

Environmental The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air.

2.2 Label elements

Label In Accordance With (EC) No. 1272/2008

Hazard symbols


Signal Word **Danger**

Hazard Statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.

Contains **HEPTANE**

Supplementary Precautionary Statements

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapours/spray.
P264	Wash contaminated skin thoroughly after handling.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see medical advice on this label).
P332+313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

2.3 Other hazards

Heating will generate vapours which may form explosive vapour/air mixtures.
This product does not contain any substances classified as PBT or vPvB.

3 Composition / Information on ingredients

3.1 Substances

The product in question is a mixture.

3.2 Mixtures

HEPTANE		60-100%
CAS-No.: 142-82-5	EC No.: 205-563-8	Registration Number: 01-2119475515-33
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Skin Irrit. 2 - H315	Xn;R65	
STOT SE 3 - H336	Xi;R38	
Asp. Tox. 1 - H304	R67	
Aquatic Acute 1 - H400	N;R50/53	
Aquatic Chronic 1 - H410		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments The product contains organic solvents.

4 First aid measures

4.1 Description of first aid measures

General information	Remove victim immediately from source of exposure.
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Skin irritation.
Eye contact	Irritating and may cause redness and pain.

4.3 Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	The product is flammable. Heating may generate flammable vapours. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
Hazardous combustion Products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

5.3. Advice for firefighters

Protective actions during Firefighting	Ventilate closed spaces before entering them. Avoid breathing fire gases or vapours. Be aware of danger of explosion.
Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles.

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

For non-emergency personnel Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

For emergency responders Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

PERSONAL PROTECTION. Avoid contact with skin or inhalation of spillage, dust or vapour. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. VENTILATE/EVAPORATE. Ventilate well, stop flow of gas or liquid if possible. Remove ignition

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sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Dam and absorb spillages with sand, earth or other non-combustible material.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

7 Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.
Avoid contact with skin and eyes.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8 Exposure controls / personal protection

8.1 Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 min		Notes
HEPTANE	WEL	500				

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

HEPTANE (CAS: 142-82-5)

DNEL

Consumer	Oral	Long Term	Systemic Effects	148 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	149 mg/kg/day
Industry	Dermal	Long Term	Systemic Effects	300 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	447 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	2085 mg/m3

8.2 Exposure controls

Protective equipment



Appropriate engineering Controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Maintain efficient ventilation/extraction using flameproof equipment where necessary.

Eye/face protection

Wear chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 6 hours. When used with mixtures, the protection time of gloves cannot be accurately estimated.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Use appropriate hand lotion to prevent defatting and cracking of skin. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

Thermal hazards

Contact with hot product can cause serious thermal burns.

Environmental exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Colour	yellowish
Odour	Petroleum
Odour threshold	Not available.
pH	Not relevant.

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Melting point	Not available.
Flash point [°C]	ca. -4 CC (Closed cup)
Flammability Limit – Lower (%)	1.1
Flammability Limit – Upper (%)	6.7
Initial boiling point and boiling range	98760 mm Hg
Relative Density	0.722
Solubility in water	immiscible
Viscosity	400 - 600 cP @ 20°C

9.2 Other information

Refractive index	Not relevant.
Particle size	Not available.
Molecular weight	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.
Volatile organic compound	This product contains a maximum VOC content of 660 g/l.

10 Stability and reactivity

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation. Will not polymerise.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Not determined.

Acute toxicity - dermal

Notes (dermal LD₅₀) Not determined.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Not determined.

Inhalation

Vapours may cause drowsiness and dizziness.

Skin contact

Irritating to skin.

Acute and chronic health hazards

INGESTION. May cause stomach pain or vomiting.

Route of entry

Inhalation. Skin and/or eye contact.

Toxicological information on ingredients.

Acute toxicity:

Acute Toxicity (Oral LD50) Rat	2500 mg/kg
Acute Toxicity (Dermal LD50) Rabbit	2500 mg/kg
Acute Toxicity (Inhalation LC50) Rat 4 hours	56 mg/l (vapours)
ATE inhalation	56 mg/l (vapours)

HEPTANE (CAS: 142-82-5)

12 Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Ecological information on ingredients.

Toxicity	HEPTANE (CAS: 142-82-5)
Acute aquatic toxicity	Very toxic to aquatic organisms.
LE(C) ₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 1-10 mg/l, Fish
Chronic aquatic toxicity	
M factor (Chronic)	1

12.2. Persistence and degradability

Degradability

The product is expected to be slowly biodegradable.

12.3. Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

The product contains organic solvents which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

HEPTANE (CAS: 142-82-5)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

13 Disposal considerations**13.1. Waste treatment methods**

General information

Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight fitting, self-closing lids.

Disposal methods

Dispose of waste and residues in accordance with local authority requirements.

14 Transport information**14.1. UN number**

UN No. (ADR/RID/ADN)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133

14.2. UN proper shipping name

Proper Shipping Name ADHESIVES (HEPTANE)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID Classification code	F1
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
AND class	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

**14.6. Special precautions for user**

EMS	F-E, S-D
ADR transport category	2
Emergency Action Code	•3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

Safety Data Sheet (REACH regulation (EC) no.1907/2006 / 453/2010)

EU Legislation
Dangerous Preparations Directive 1999/45/EC.
National Regulations
Health and Safety at Work Act (As Amended) 1974

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 Other information

Abbreviations and acronyms used in the safety data sheet

ADR : European Agreement concerning the International Transport of Dangerous Goods by Road RID : Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG : International Maritime Code for Dangerous Goods IATA : International Air Transport Association ICAO : International Civil Aviation Organization GHS : Globally Harmonized System of Classification and Labelling of Chemicals EINECS : European Inventory of Existing Commercial Chemical Substances CAS : Chemical Abstracts Service DNEL ; Derived No Effect Level (REACH) PNEC : Predicted No Effect Concentration (REACH) LC50 : Lethal Concentration 50 percent LD50 : Lethal Dose 50 percent

Information Sources

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

Risk Phrases In Full

R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R38	Irritating to skin.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.