

Safety Data Sheet 1907/2006/EC - REACH (EN)

SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

Product name: Weldtite Rubber Solution
Product code: 5g tube - 02001; 02018; 01003; 01004; 01006; 01007; 01008; 01010; 01012; 01014; 01016; 01018; 01024; 01028; 01029; 01034; 01041; 01075; 04020; 04040; 15g tube – 02002; 02022 & any other kits Weldtite branded 5g or 15g tubes

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

Adhesive

1.3 Details of the supplier of the safety data sheet

Company Weldtite Products Ltd
Unit 9, Harrier Road, Humber Bridge Industrial Estate
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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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 Contains ZINC bis(DIBUTYLDITHIOCARBAMATE). May produce an allergic reaction.
H315 Highly flammable liquid and vapour.
H336 Causes skin irritation.
H410 May cause drowsiness or dizziness.
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+364 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.

Safety Data Sheet 1907/2006/EC - REACH (EN)

P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

UFI: PV38-C11D-P006-9HEH

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition / Information on ingredients

3.1 Substances

The product in question is a mixture.

3.2 Mixtures

HEPTANE		80-100%
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)		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

ZINC bis(DIBUTYLDITHIOCARBAMATE)		<0.3%
CAS-No.: 132-23-2	EC No.: 205-232-8	Registration Number: 01-2119475515-33
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification (EC 1272/2008)		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
STOT SE 3 - H336		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments The product contains organic solvents.

SECTION 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 IF SWALLOWED: Get medical attention immediately.
Skin contact Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact Remove any contact lenses and open eyelids wide apart.. 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 to eyes. Symptoms following overexposure may include the following: Redness. 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!

SECTION 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 products may include the following substances: Toxic gases or vapours. Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during Firefighting Ventilate closed spaces before entering them. Avoid breathing fire gases or vapours. Fight fire remotely due to the risk of explosion.
Special protective equipment for firefighters Use air-supplied respirator, gloves and protective goggles.

Safety Data Sheet 1907/2006/EC - REACH (EN)

SECTION 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

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Keep combustible materials away from spillage.

6.4. Reference to other sections

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

SECTION 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.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 min		Notes
HEPTANE	WEL	500	2085 mg/m ³			

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/m ³
Industry	Inhalation.	Long Term	Systemic Effects	2085 mg/m ³

8.2 Exposure controls

Protective equipment



Appropriate engineering Controls

Provide adequate ventilation. Avoid inhalation of vapours. As this product contains ingredients with the exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. Use explosion-proof ventilating equipment.

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.

Safety Data Sheet 1907/2006/EC - REACH (EN)

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.

SECTION 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.
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	98°C @ 760 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.

SECTION 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

Heating may generate the following products: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 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

May cause stomach pain or vomiting.

Route of entry

Inhalation. Skin and/or eye contact.

HEPTANE (CAS: 142-82-5)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,500.0

Species Rat

ATE oral (mg/kg) 2,500.0

Acute toxicity - dermal

Safety Data Sheet 1907/2006/EC - REACH (EN)

Acute toxicity dermal (LD ₅₀ mg/kg)	2,500.0
Species	Rabbit
ATE dermal (mg/kg)	2,500.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	56.0
Species	Rat
ATE inhalation (vapours mg/l)	56.0
	ZDBCX
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD ₅₀ mg/kg)	3,000.0
Species	Rat
ATE oral (mg/kg)	3,000.0

SECTION 12: Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

<u>Ecological information on ingredients.</u>	HEPTANE (CAS: 142-82-5)
Toxicity	Very toxic to aquatic organisms.
Acute aquatic toxicity	
LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 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.

SECTION 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.

SECTION 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	



Safety Data Sheet 1907/2006/EC - REACH (EN)

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance

Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

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.

This safety data sheet is prepared in accordance with Regulation No. 2015/830.

Revision Comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Hazard Statements In Full

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains ZINC bi(DIBUTYLTDITHIOCARBAMATE). May produce an allergic reaction.

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.