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

1.1 Product identifier

Product name: Weldtite e-Bike Connector spray 150ml
Product number: 03910

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

Identified uses: Cleaner for electrical connections

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

1.4Emergency phone

+44 (0) 1652 660000 Mo-Fr 8:00 – 17:00

SECTION 2: Hazards identification

2.1Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Physical hazards Aerosol 1 - H222, H229
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 Asp. Tox. 1 - H304
Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

2.2Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms

Signal word DANGER

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye 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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P264 Wash contaminated skin thoroughly after handling.
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.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/ container in accordance with national regulations.

Contains heptane, propan-2-ol

2.3 Other hazards

SECTION 3: Composition/Information on ingredients

Product-type:
The product is a mixture.

Range [%]	Substance
30-<60	Heptane
	CAS number: 142-82-5 M factor (Acute) = 1 M factor (Chronic) = 1
	GHS/CLP: Flam. Liq. 2 - H225; Skin Irrit. 2 - H315; STOT SE 3 - H336; Asp. Tox. 1 - H304; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
30-<60	Petroleum gases, liquefied (<0,1% 1,3-butadiene)
	CAS: 68476-85-7, EINECS/ELINCS: 270-704-2, EU-INDEX: 649-202-00-6
	GHS/CLP: Flam. Gas 1: H220; Press. Gas (Liquefied gas): H280
10-<30	Propan-2-ol
	CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0, ECB-Nr.: 01-2119457558-25-XXXX
	GHS/CLP: Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336

Comment on component parts Substances of Very High Concern – SVHC: substances are not contained or are below 0,1%. For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1Description of first aid measures

Inhalation Remove affected person from source of contamination.

Ingestion Not relevant.

Skin contact Wash skin thoroughly with soap and water.

Eye contact Rinse with water.

4.2Most important symptoms and effects, both acute and delayed

Irritant effects. Headache. Vertigo. Tiredness.

4.3Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2)

Extinguishing media that must not be used Full water jet.

5.2Special hazards arising from the substance of mixture

Specific hazards Pressurised container: may burst if heated

5.3Advice for firefighters

Protective actions during Firefighting Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with eyes and prolonged skin contact. Avoid inhalation of vapours.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder).Dispose of absorbent material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1Precautions for safe handling

Usage precautions Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Nosmoking.

7.2Conditions for safe storage, including any incompatibilities

Storage precautions Do not store near heat sources or expose to high temperatures.

7.3Specific and use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

HEPTANE
Long-term exposure limit (8-hour TWA): WEL 500mg/m³
Short-term exposure limit (15-minute): WEL

Petroleum Gases, Liquefied
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

propan-2-ol
Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³
WEL = Workplace Exposure Limit

8.2Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: Butyl rubber, >480min (EN 374). In splash contact: Butyl rubber, > 120 min (EN 374)
Skin protection	Solvent-resistant protective clothing.
Other	Do not breathe vapour/spray.Avoid contact with eyes and skin.Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substance handled. The resistance of these equipment's to chemicals should be ascertained with the respective supplier.
Respiratory protection	If ventilation insufficient, wear respiratory protection.Short term: filter apparatus, filter A.
Thermal hazards	See SECTION 7.
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	aerosol
Colour	clear
Odour	solvent
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	-76
Flammability [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	0.64 typical
Bulk density [kg/m³]	not applicable
Solubility in water	not applicable
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not applicable

9.2Other information none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.Heat causes increase in pressure and risk of bursting.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4Conditions to avoid

Avoid exposing aerosol containers to high temperatures or direct sunlight.**10.5Incompatible materials**

No information available.

10.6 Hazardous decomposition products

Flammable gases/vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
30-<60	Heptane, CAS number: 142-82-5
	LD50, Oral, Rat: 2500 mg/kg LD50, Dermal, Rabbit: 2500 mg/kg LC50, Inhalation, Rat : 56 mg/l
10-<30	Propan-2-ol, CAS; 67-63-0
	LC50, inhalative, Rat: 19000 ppm/8h.
	LD50, dermal, Rabbit: 13000 mg/kg.
	LD50, oral, Rat: 4700-5800 mg/kg.
30-<60	Petroleum gases, liquefied (< 0,1% 1,3-butadiene), CAS: 68476-85-7
	LC50, inhalative, Rat: > 20 mg/l/4h.

Serious eye damage/irritation Irritant
Skin corrosion/irritation Irritant
Respiratory or skin sensitisation not determined
Specific target organ toxicity – singleexposure not determined
Specific target organ toxicity – repeated exposure not determined
Mutagenicity not determined
Reproduction toxicity not determined
Carcinogenicity not determined
General remarks Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety toxicologists. The toxicity data pertaining to the ingredients were suppliedby the manufacturers of raw materials. The product was classified on the basis of the calculation procedure of the preparation directive.

SECTION 12: Ecological information

12.1Toxicity

Range [%]	Substance
30-<60	Heptane, CAS number: 142-82-5
	LC50, (96h), fish: 1-10 mg/l.
10-<30	Propan-2-ol, CAS; 67-63-0
	EC50, (48h), Daphnia magna: 7550-13299 mg/l.
	LC50, (96h), fish: 9640-10400 mg/l.
	IC50, (72h), Desmodesmus subspicatus: > 1000 mg/l.

12.2Persistence and degradability
Behaviour in environment compartments
Behaviour in sewage plant not determined
Biological degradability No surfactants are contained.

12.3Bioaccumulative potential

No information available.

12.4Mobility in soil

No information available.

12.5Results of PBT and vPvB assessment

No information available.

12.6Other adverse effects

Ecological data of complete product are not available.The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product Dispose of as hazardous waste.

Waste no. (Recommended) 160504* gases in pressure containers (including halons) containing dangerous substances

Contaminated packaging Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (Recommended) 150104
150110*

SECTION 14: Transport information

14.1 UN number

1950.

14.2UN proper shipping name

Transport by land according to ADR/RID AEROSOLS 2.1

-Classification Code 5F

-Label

-ADR LQ 1 l

-ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 2 (D)

Inland navigation (ADN) AEROSOLS 2.1

-Classification Code 5F

-Label

Marine transport in accordance with IMDG AEROSOLS (Heptane) 2.1 – MARINE POLLUTANT

-EMS F-D, S-U

-Label

-IMDG LQ 1 l

Air transport in accordance with IATA AEROSOLS, flammable 2.1

-Label

14.3Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

No information available.

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EY) 517/2014
TRANSPORT REGULATIONS	ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/CHIP 4
-Observe employment restrictions for people	Observe employment restrictions for young people.
-VOC (2010/75/CE)	ca. 100%
Cleaner, 648/2004/CE, contains:	> 30% aliphatic hydrocarbons (propellant)

15.2 Chemical safety assessment

For the following substances of this preparation a chemical safety assessment has been carried out:
Propan-2-ol
Heptane

SECTION 16: Other information

Abbreviations and acronyms:

ADR : European agreement concerning the international carriage of dangerous goods by Road.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
ADN = European agreement concerning the international carriage of dangerous goods by inland waterways.
CAS – Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL – Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA – International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT – Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV´STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

Hazard statements (SECTION 2&3)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
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.

Training Advice

Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Disclaimer

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.