

Safety Data Sheet according to Regulation 453/2010/EC
1 Identification of the substance / preparation and of the company
1.1 Product identifier

Product name: TF2 Dry Lubricant with Teflon
 Product No. 03034 (75ml) / 03035 (125ml) / 03055 (50ml)

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

Identified uses: Lubricant for bicycles.

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)

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

Hazard Class	Hazard Category	Hazard Statements
Flammable liquids	Category 2	H225
Skin Irritant	Category 2	H315
Aquatic Hazard (Chronic)	Category 3	H412

Most important adverse effects: Highly flammable liquid and vapour. Causes skin irritation. Harmful to aquatic life with long lasting effects.

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

Refer to section 16.

2.2 Label elements
Labelling according to 1272/2008 (CLP/GHS)

Hazard Symbols:



Signal word:

Danger

Hazard Statements:	H225	Highly Flammable liquid and vapour
	H315	Causes skin irritation
	H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:

P102	:	Keep out of the reach of children (Recommended for consumer products only)
P210	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	:	Keep container tightly closed
P280	:	Wear protective gloves
P302+352:	:	IF ON SKIN: Wash with plenty of water/soap.
P403+235:	:	Store in a well-ventilated place. Keep cool.
P501	:	Dispose of contents/container in accordance with local and national regulations

Labelling according to EU Directive 1999/45/EC (DPD):

Refer to section 16.

2.3 Other Hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

3 Composition / Information on ingredients
3.1 Substances

Not Applicable.

3.2 Mixtures
3.2.1. Hazardous Ingredients

Ingredient	EC No.	CAS No.	Registration No.	% w/w	Classification 67/548EEC	Classification 1272 / 2008
Hydrocarbons C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	921-024-6		01-2119475514-35	5-10%	F, R11 Xn, R65 Xi, R38,R67 N, R51/53	Flam. Liq. 2: H225; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT SE 3: H336; Asp. Tox. 1: H304
N-Hexane	203-777-6	110-54-3	01-2119484651-34	<1%	F, R11 Xn, R65 Xi, R38, R67	Flam. Liq. 2: H225; Repr. 2: H361f; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit.

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					N, R51/53	2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411
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See Section 16 for explanation of the classification codes.

4 First aid measures
4.1 Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

5 Fire-fighting measures
5.1 Extinguishing Media

Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. May form flammable / explosive dust-air mixture.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6 Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4 Reference to other sections

Refer to section 8 of SDS.

7 Handling and storage
7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

7.3 Specific end uses

To be used as a lubricant.

8 Exposure controls / personal protection
8.1 Control parameters
Hazardous ingredients:

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

Workplace exposure limits: Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1200ppm	-	-	-

N-HEXANE

UK	72 mg/m3	-	-	-
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DNEL/PNEC Values

No data available.

8.2. Exposure controls

Safety Data Sheet according to Regulation 453/2010/EC

Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency.
Hand protection:	Gloves (solvent-resistant).
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.

9 Physical and chemical properties
9.1 Information on basic physical and chemical properties

State:	Liquid
Colour:	Brown
Odour:	Characteristic odour
Evaporation rate:	Not applicable.
Oxidising:	Not applicable.
Solubility in water:	Insoluble
Viscosity:	Oily
Kinematic viscosity:	>20.5
Viscosity test method:	Kinematic viscosity in 10-6 m ² /s at 40°C (ISO 3104/3105)
Boiling point/range °C:	>100
Melting point/range °C:	No data available.
Flammability limits %: lower:	No data available.
upper:	No data available.
Flash point °C:	<23
Part.coeff. n-octanol/water:	No data available.
Autoflammability °C:	>200
Vapour pressure:	No data available.
Relative density:	0.860
pH:	Not applicable.
VOC g/l:	85

9.2 Other Information

No other information available.

10 Stability and reactivity
10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Stable under normal conditions. Stable at room temperature.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid:

Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

11 Toxicological information
11.1 Information on toxicological effects
HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

DERMAL	RAT	LD50	>2920	mg/kg
ORAL	RAT	LD50	>5840	mg/kg
VAPOURS	RAT	4H LC50	>25200	mg/kg

N-HEXANE

IPR	RAT	LDLO	9100	mg/kg
IVN	MUS	LDLO	831	mg/kg
ORL	RAT	LDLO	25	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Safety Data Sheet according to Regulation 453/2010/EC

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12 Ecological information
12.1 Toxicity
Hazardous ingredients:

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

Daphnia magna	48H EC50	3	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	11.4	mg/l

12.2 Persistence and Degradability:

Inherently bio-degradable according to OECD guidelines.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

Insoluble in water. Floats on water. Volatile.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Harmful to aquatic organisms.

13 Disposal considerations
13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14 Transport information
14.1 UN number

1993

14.2 UN Proper shipping name

ADR Flammable Liquid, NOS (HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE)

IMDG Flammable Liquid, NOS (HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE)

14.3 Transport hazard classes

ADR Class : 3
Hazard ID No. : 33
Classification code : F1
Tunnel restriction code : D/E
Labels : Class 3



IMDG Class : 3
EMS : F-E, S-E
Labels : Class 3


14.4 Packing group

ADR : II
IMDG : II

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR : No
Labelling according to 5.2.1.6.3 IMDG : No
Classified as 'P' Marine pollutant according to 2.10 IMDG : No

14.6 Special precautions for user

ADR Limited Quantity – 1 Litre (maximum quantity per inner packaging or article for carriage in accordance with ADR Chapter 3.4)

IMDG Limited Quantity – 1 Litre (maximum quantity per inner packaging or article for carriage in accordance with IMDG Chapter 3.4)

Transport category: 2

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not applicable

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

Safety data sheet according to Regulation (EC) No. 453/2010.

Safety Data Sheet according to Regulation 453/2010/EC

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16 Other information

16.1 Abbreviations and acronyms used in this data sheet.

DPD –Dangerous Preparations Directive, CLP –Classification, labelling and packaging of substances and mixtures regulation, GHS –UN Globally Harmonised system of classification and labelling of chemicals, PBT – Persistent, Bio accumulative and Toxic, vPvB – Very persistent and very bio accumulative.

Classification according to EU Directive 1999/45/EC

Highly Flammable	R11
Irritant	R38
Dangerous for the environment	R51/53

Full text of R-phrases referred to under sections 2 & 3

R11:	Highly Flammable
R38:	Irritating to skin
R65:	Harmful: may cause lung damage if swallowed
R67:	Vapours may cause drowsiness and dizziness
R51/53:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 & 3

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
H361f:	Suspected of damaging fertility.
H373:	May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H411	Toxic to aquatic life with long lasting effects
H412:	Harmful to aquatic life with long lasting effects.

Labelling according to EU Directive 1999/45/EC (DPD):

Hazard Symbol:



Risk Phrases:

R11:	Highly Flammable
R38:	Irritating to skin
R51/53:	Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment

Safety Phrases:

R67:	Vapours may cause drowsiness or dizziness
S2:	Keep out of the reach of children
S9:	Keep container in a well ventilated place
S16:	Keep away from sources of ignition – no smoking
S37:	Wear suitable gloves
S43:	In case of fire use foam/dry powder/CO2 – fine water spray suitable
S51:	Use only in well ventilated areas
S61:	Avoid release to the environment. Refer to special instructions/safety data sheet

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.

16.2 Revisions

Because of the major changes, this data sheet should be read as entirely new.

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.