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 : Dirtwash Chain Wipes
Product No. 04030 (4 sachets) 01040 (2 sachets) 04038 (15 wipes/single sachet)

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

Identified uses: Chain wipe cleaner
(Approx. 2.5ml of liquid mixture of 70% Alcohol 30% Water impregnated onto the cloth per sachet)

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)1652 660000 (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
Eye Irritant	Category 2	H319
Specific Target Organ Toxicity	Category 3	H336

2.2 Label elements

Labelling according to 1272/2008 (CLP/GHS)

Hazard Symbols:

Signal word: **Danger**

Hazard Statements:
H225 Highly Flammable liquid and vapour
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary Statements:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3 Other Hazards

In confined spaces, vapours may build up to form flammable vapour/air mixtures.

3 Composition / Information on ingredients

3.1 Substances

Not applicable -product is a mixture

3.2 Mixtures

3.2.1.Hazardous Ingredients

Isoropanol impregnated onto a paper tissue (1ml per sachet).

Ingredient	EC No.	CAS No.	Registration No.	% w/w	Classification 67/548EEC	Classification 1272 / 2008
Propan-2-ol (Isopropanol)	200-661-7	67-63-0	01-2119457558-25-0000	70%	F; R11 Xi; R36 R67	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336

See Section 16 for explanation of the classification codes.

4 First aid measures

4.1 Description of first aid measures

EYE CONTACT: Wash thoroughly with water for several minutes and obtain medical attention if signs of discomfort.
INHALATION: Remove from exposure. If breathing becomes difficult call a doctor.
SKIN CONTACT: Wash off with soap and water.
INGESTION: If swallowed, rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

EYE CONTACT: If liquid from the wipe gets into the eye it may cause redness, stinging, watering of the eye.
INHALATION: Symptoms unlikely from use of small numbers of wipes, but inhalation of large amounts may cause headaches, dizziness, unconsciousness.

SKIN CONTACT: Prolonged skin contact may cause drying of the skin.
INGESTION: Ingestion of the liquid may cause irritation to the mouth and throat, and symptoms similar to inhalation.

4.3 Indication of immediate medical attention and special treatment needed
Treatment: Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media
Water spray, alcohol resistant foam, dry powder and carbon dioxide extinguishers are suitable.

5.2 Special hazards arising from the substance or mixture
No special hazards.

5.3 Advice for fire fighters
Fire fighters should wear protective clothing and breathing apparatus as appropriate.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Exclude unnecessary personnel. Open doors and windows to ensure good ventilation. Eliminate ignition sources.

6.2 Environmental precautions
Prevent entry into sewers and watercourses.

6.3 Methods and materials for containment and clearing up
Collect wipes and place in a sealable container for disposal.

6.4 References to other sections
See section 8 and 13 for further advice.

7 Handling and storage

7.1 Precautions for safe handling
Ensure adequate ventilation. Avoid contact with eyes and prolonged contact with skin. Keep away from sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities
Store in its original labelled container in a cool, well ventilated area, away from heat, sparks and other sources of ignition.. Keep out of reach of children and animals.

7.3 Specific end uses(s)
No special precautions.

8 Exposure controls / personal protection

8.1 Control parameters
EXPOSURE LIMITS

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
Isopropanol	400 ppm (999 mg/m3)	500 ppm (1250 mg/m3)	EH40 2007

DNELS

DNELS		
	Worker	General Population
	Chronic effects	Chronic effects
Human oral		26 mg/kg
Human dermal	888 mg/kg/day	319 mg/kg
Human inhalation	500 mg/m3	89 mg/m3

PNECS

PNEC aqua (freshwater):	140.9 mg/l
PNEC aqua (marine water):	140.9 mg/l
PNEC sediment):	552 mg/kg
PNEC soil:	28 mg/kg

8.2 Exposure controls

Engineering controls
Normal room ventilation is expected to be adequate. If large numbers of wipes are being used in an enclosed space then additional local

exhaust ventilation may be required.

Respiratory protection

Not normally required

Hand Protection

If large numbers of wipes or prolonged contact is expected, then suitable gloves may be required. Butyl rubber, nitrile rubber, Viton (fluoroelastomer) may be suitable, but glove manufacturers recommendations should always be checked.

Eye protection

If large numbers of wipes are being used, then safety glasses or goggles may be appropriate.

Skin protection

If large numbers of wipes or prolonged contact is expected, then suitable protective clothing should be worn. Remove protective clothing when contaminated and wash before reuse.

Environmental Exposure Controls

Not normally required.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid absorbed onto towelling
Odour:	Alcoholic odour
Odour threshold:	Approximately 22 ppm (propan-2-ol)
pH:	Approximately neutral
Melting point:	-89°C (propan-2-ol)
Boiling point:	82°C at 1013 hPa (propan-2-ol)
Flashpoint:	Approx. 18°C (70% propan-2-ol)
Evaporation rate:	1.7 (n-Butyl Acetate=1) (propan-2-ol)
Flammability:	Flammable
Upper/lower flammability limits:	2-12% (propan-2-ol)
Vapour pressure:	42 hPa at 20°C (propan-2-ol)
Vapour density:	2.07 (Air=1) (propan-2-ol)
Relative density:	0.7855 g/cm3 at 20°C (propan-2-ol)
Solubility in water:	Completely miscible
Solubility in other solvents:	Miscible with diethyl ether and ethanol
Partition coefficient (log Kow):	0.05 at 25°C (propan-2-ol)
Autoignition temperature:	> 399°C (propan-2-ol)
Decomposition temperature:	No decomposition when used under normal conditions
Viscosity:	2.5 mPas at 20°C (propan-2-ol)
Explosive properties:	Not classified as explosive
Oxidising properties:	Not classified as oxidising

9.2 Other information

None

10 Stability and reactivity

10.1 Reactivity

Not considered to be reactive.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None expected.

10.4 Conditions to avoid

Avoid exposure to high and freezing temperatures.

10.5 Incompatible materials

Avoid contact with strong oxidisers.

10.6 Hazardous decomposition products

None known.

11 Toxicological information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	Not expected to present an acute toxicity hazard LD50 (oral, rat) >2000 mg/kg (propan-2-ol) LD50 (dermal, rabbit) >2000 mg/kg (propan-2-ol)
(b) skin corrosion/irritation	Not expected to irritating to skin. Prolonged and frequent exposure may dry the skin. Rabbit, dermal: not irritating (propan-2-ol)
(c) serious eye damage/irritation	If liquid from the wipe gets into the eye it may cause irritation Rabbit, eye: irritating (propan-2-ol)

(d) respiratory/skin sensitisation	Not expected to be sensitising Guinea pig, Buehler test: Not sensitising (propan-2-ol)
(e) germ cell mutagenicity	Not expected to be mutagenic Ames test, Salmonella typhimurium (with and without metabolic activation: not mutagenic (propan-2-ol)
(f) carcinogenicity	Not expected to be carcinogenic Rat (inhalation, 2 years): NOEL 5000 ppm
(g) reproductive toxicity	Not expected to be reprotoxic. Animal studies for propan-2-ol gave no indication of a developmental toxic effect at doses that were not toxic to the parent animals.
(h) STOT-single exposure	Inhalation of vapours may cause drowsiness and dizziness
(i) STOT-repeated exposure	NOAEL 5000 ppm propan-2-ol
(j) aspiration hazard	Not expected to present an aspiration hazard

12 Ecological information

12.1 Toxicity
Not expected to be toxic to the environment
Toxicity to fish: LC50: > 100 mg/l, 48 h, Leuciscus idus melanotus, static
Toxicity to invertabrates: EC50: > 100 mg/l, 48 h, Daphnia magna, static
Toxicity to algae : EC50: > 100 mg/l, 72 h, Scenedesmus subspicatus, static

12.2 Persistence and degradability
Propan-2-ol is readily biodegradable. The tissue component is expected to biodegrade in the environment.

12.3 Bioaccumulative potential
Propan-2-ol is readily metabolised and is not expected to bioaccumulate.

12.4 Mobility in soil
Propan-2-ol will quickly evaporate and is expected to partition into the air compartment.

12.5 Results of PBT and vPvB assessment
Propan-2-ol is not considered to be PBT or vpvB.

12.6 Other adverse effects
None known

13 Disposal considerations

13.1 Waste treatment methods
Wastes should be disposed of in accordance with local regulations
Unused product may be disposed of by incineration.
For used product, consideration should be given to any contaminants before deciding on the disposal method.

14 Transport information

This product does not need to be transported as dangerous goods, in accordance with UN 3175 Special Provision 216 (ADR/RID/IMDG) and Special Provision A46 (IATA).

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out for this product. A Chemical Safety Assessment has been carried out for the main component, propan-2-ol.

16 Other information

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006 vPvB very Persistent, very Bioaccumulative

References:
CLP Regulation 1272/2008
ECHA Chem database of registered substances
Suppliers SDS

Method used for classification of mixtures:

Ingredient based approaches

R Phrases and H Statements used in Section 3

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.
H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

Training requirements for workers

No special training requirements.

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

This is the first SDS prepared in accordance with the REACH Regulation 1907/2006.