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SAFETY DATA SHEET

165-010

1. identification

Product identifier

LPS® Tapmatic® AqueCut

Other means of ide Part Number

C01216, C01228, C01205

ommunded use

C01216 C01228 C01205 A water-based cutting fluid demagnesium.
None known, for use on steel, aluminum and other metals except

ommended restrictions

nufacturer/importer/Supp

nufacturer Company name

fTW Pro Brands 4647 Hugh Howell Rd. Tucker, GA 30084

Country

(U.S.A.) Tel: +1 770-243-8800

In Case of Emerg

1-800-424-9300 1-703-527-3887 www.lpslabs.com lpssds@iwprobrands.com

Website E-mail

ITW Permalex Canada 1-35 Brownridge Road Halton Hills, ON, L7G 9C8 Canada

2. Hazard(s) identification

Physical hazards Health hazards

Sensitization, skin Not classified.

Category 1

Label elements



Signal word

Hazard statem Precautionary state

Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response

IF ON Skini: Wash with plenty of water. If skin initation or rash occurs: Get medical advice/attention, Take off contaminated clothing and wash it before reuse. Store away from incompatible materials.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

None known.

None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyme	CAS number	*
CINNAMALDEHYDE	·	104-55-2	0.1 - 1
Material name: LPS® Tapmatic® AquaCut C01216, C01226, C01205 Version #: 01	hause date: 05-21-2015	·····	EDS CANADA 1/7

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhaistion Move to fresh air. Call a physician if symptoms develop or persist. Skin contact

Remove contaminated clothing immediately and wash skin with soap and water, in case of eczama or other skin disorders: Seek medical attention and take along these instructions.

Eve contact Rinse with water. Get medical attention if irritation develops and persists. Rinse mouth. Get medical attention if symptoms occur.

Most impo

May cause an allergic skin reaction. Dermatitis. Rash.

indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation, Symptoms may be detayed.

General Information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Unsultable extinguishing media

Water log. Foam. Dry chemical powder, Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gazes hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific methods

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release me

Personal precautions, protective equipment and amergency procedures

Sures

Keep unnecessary personnel away. Keep people away from and upwind of spillleak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged container or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation, Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 6 of the SDS.

Large Spills: Stop the flow of malerial, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermicufie, dry sand or earth and place into containers. Following product recovery, Rush area with weater.

Methods and materials for containment and cleaning up

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

ental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. Provide adequate veriliation. Wear appropriate personal protective equipment. Observe good industrial hydrene practices.

Conditions for safe storage, including any incompatibilities

Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapor. Avoid prolonged exposure. Provide adequate veriliation. Wear appropriate personal protective equipment. Observe good industrial hydrene practices.

Store in original lightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Тури Value TRIETHANOLAMINE (CAS 102-71-6) TWA 5 mg/m3

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Components	cupational Health & Safety Code, Sch Type	edule 1, Table 2) Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3
SAIRTÀ LIGHTIMOU SAOVAL S	DELs. (Occupational Exposure Limits is amended)	for Chemical Substances, Occupational Health and
Components	Туре	Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3
Canada, Manitoba OELs (R Components	leg. 217/2006, The Workplace Safety / Type	And Health Act) Value
TRIETHANOLAMINE (CAS	TWA	5 mg/m3
102-71-6) Canada Onterio GEL e (Co	entral of Exposure to Biological or Ch	
Components	Type	emicai Agenta) Vakia
TRIETHANQLAMINE (CAS	TWA	3.1 mg/m3
102-71-6)		• -
Canada, Gunhar OEI + /Isi	nicins of I when - Beautation **	0.5 ppm
Components	Туре	ng the Quality of the Work Environment) Value
TRIETHANOLAMINE (CAS 102-71-6)	TWA	6 mg/m3
logical limit values	No biological exposure limits noted to	
propriete engineering strois	or other engineering controls to main exposure limits have not been establi	i air changes per hour) should be used. Ventilation rates ppiktable, use process enclosures, local exhaust ventilation tain airborne levets below recommended exposure limits. If ished, maintain airborne levets to an acceptable levet.
Protection measures Eye/face protection	, such as personal protective equipm Wear safety glasses with side shields	
Skin protection	The state of the s	(v. yogyes).
Hand protection	Wear appropriate chemical resistant	oloves.
Other		clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wea	
Thermel hezards	Wear appropriate thermal protective	clothing, when necessary.
eral hygiene siderations	and periore eating, drinking, and/or an	ne measures, such as washing after handling the material noking. Routinely wash work clothing and protective Contaminated work clothing should not be allowed out of the
Physical and chemical :	properties	
dirince		
Physical state Form	Liquid.	
Form Color	Liquid.	
v Color	Blue green. Cinnamon.	
r threshold	Not established	
	8 · 9	
ing point/freezing point	Not established	
al boiling point and boiling	212 °F (100 °C)	
e county point and coming	ZIZ F (100 °C)	
h point	None	
p.u,	1 (water = 1)	
poration rate	· (maio: = -)	
•	Not applicable.	

Flammability limit - lower (%)

Fыл (%)

Explosive limit - upper (%) Not available.

18 mm Hg @ 20°C Vapor pressure ~0.6 Vepor density

Relative density Not available. Solubility(les) Solubility (water) 100 % in water

artition coefficient -octanol/water) ∢1

> 33.6 °F (> 1 °C) Not established Not established Viscosity

Other information Explosive properties Heat of combustion Not explosive. Not established

Oxidizing properties Not exidizing. Percent volatile 95 W 0.99 - 1.01 @ 20°C Specific gravity

voc 0 % per U.S. State and Federal Consumer Product Regulations

10. Stability and reactivity

Reactivity Chemical stability The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid incompetible materials

Contact with incompatible materials. Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides.

11. Toxicological Information

Information on likely routes of exposure

Skin contact

May cause an allergic skin reaction.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact

Direct contact with eyes may cause temporary imitation.

Ingestion Expected to be a low ingestion hazard.

May cause an allergic skin reaction. Dermatitis. Rash.

Symptoms related to the physical, chemical and toxicological cheracteristics

Information on toxicological effects

Acute toxicity

Not known.

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mutagenic or genotoxic. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. IARC Monographa. Overall Evaluation of Carcinogenicity TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans. This product is not expected to cause reproductive or developmental effects. Not classified cause reproductive or developmental effects. Not classified cause reproductive or developmental effects. Not classified. Posenthe target organ toxicity— single exposure Aspiration hazard Not an aspiration hazard. Chronic effects May be harmful if absorbed through skin. Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause liver and kidney damage. These affects has been observed in humans. Further Information Symptoms may be delayed. 12. Ecological information Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude a possibility that large or frequent spills can have a harmful or damaging effect on the environmental cause of the cause of the environmental cause of the	Components	Species	Test Results
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No data evailable bility in soil None known. 13. Disposal considerations Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. sal instructions Local disposal regulations Dispose in accordance with all applicable regulations. trapose in accordance will be applicable regulations. Empty containers or like in a secondary and the waste disposal company.

Singulations are accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Hazardous weste code Waste from residues / unused Contaminated packaging 14. Transport information TDG Not regulated as dangerous goods. IATA
Not regulated as dangerous goods. IMDG Not regulated as dangerous goods Transport in bulk seconding to Not established. Annex 8 of MARPOL 73/78 and the IBC Code 15. Regulatory information Canadian regulations
Controlled Drugs and Substances Act Not regulated. Export Control List (CEPA 1999, Schedule 3) Not listed. Greenhouse Gases Not listed. Precursor Control Regulations Not regulated. national regulations Not applicable. Rotterdam Convention Not applicable. Kyoto protocol Not applicable.
Montreal Protocol
Not applicable.
Basel Convention

international inventories Country(s) or region

Country(s) or region
Australia (Inventory name Australian Inventory of Chemical Substances (AICS) On Inventory (yes/no)*
Australia (Inventory of Chemical Substances (AICS) No
Canada Domestic Substances List (DSL) Yes
Canada Non-Domestic Substances List (NDSL) Yes
China (Inventory of Existing Chemical Substances in China (IECSC) Yes
Europe European Inventory of Existing Commercial Chemical Substances (ELINCS) No

 Material name: LPSB Tapmatic® AquaCut
 805 CAMO

 C01216, C01226, C01226, C01205
 Version 8: 01

 1ssue date: 09-21-2016
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Country(a) or region No No Yes Japan Korea Inventory of Existing and New Ch Existing Chemicals List (ECL) New Zealand Inventory
Philippine Invantory of Chemicals and Chemical Subsignition New Zealand Philippines United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Vest indicates that all components of this product comply with the inventory requirements administrated by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from felling on the inventory administrated by the governments.

16. Other information

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09-21-2016

OT ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure sale conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, bransportation, disposal and release and is not to be considered a warranty or qualify specification. The 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, unless specified in the text.

Product and Company identification: Product and Company identification Composition Information in Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Ecological Information: Ecotox Property Data Regulatory information: United States
Hazing Cless: North America
GHS: Classification

Material name: LPS® Tapmatic® AquaCut
C01218, C01228, C01205 Version #: 01 lesue date: 09-21-2016