Cutting & Tapping Fluid
Safety Data Sheet

SECTION 1: Product and company identification

Product name	:	Cutting & Tapping Fluid
Use of the substance/mixture	:	Aerosol Cutting oil
Product code	:	8103
Company	:	Total Solutions P.O. Box 240014 Milwaukee, WI 53224 - USA T (414) 354-6417
Emergency number	:	Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Aerosol 1 H222
Carc. 1A H350

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS02 GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Extremely flammable aerosol
May cause cancer

Precautionary statements (GHS-US) : Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat, hot surfaces, open flames, sparks. - No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Wear protective gloves, protective clothing, eye protection, face protection
If exposed or concerned: Get medical advice/attention
Store locked up
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Solvent Refined, Hydrotreated Paraffinic Distillate	(CAS No) 64742-54-7	40 - 60	Carc. 1B, H350
propane	(CAS No) 74-98-6	2.5 - 10	Flam. Gas 1, H220 Compressed gas, H280
chloroparaffins, 70% chlorinated, liquid	(CAS No) 63449-39-8	2.5 - 10	Carc. 2, H351
Heavy Naphthenic Distillate	(CAS No) 64741-96-4	2.5 - 10	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation	:	Remove the victim into fresh air. Artificial respiration and/or oxygen if necessary. Do not apply mouth-to-mouth resuscitation. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve of other proper respiratory medical device. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Wash with water and soap. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	:	Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth. Do not induce vomiting without medical advice. Vomiting: prevent asphyxia/aspiration pneumonia.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	:	If you feel unwell, seek medical advice.
Symptoms/injuries after inhalation	:	Cough.
Symptoms/injuries after skin contact	:	Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact	:	Direct contact with the eyes is likely irritating.
Symptoms/injuries after ingestion	:	Gastrointestinal complaints.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water fog. Foam. Carbon dioxide.
Unsuitable extinguishing media	:	Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Extremely flammable aerosol.
Explosion hazard	:	Contains gas under pressure; may explode if heated.
Reactivity	:	Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.

5.3. Advice for firefighters

Firefighting instructions	:	Do not breathe fumes from fires or vapors from decomposition. Fight fire with normal precautions from a reasonable distance. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Consider initial downwind evactuation for at least 500 meters (1/3 mile). Evacuate unnecessary personnel. Stay upwind/keep distance from source.

6.1.1. For non-emergency personnel

Protective equipment	:	Advice local authorities if considered necessary. Do not enter without an appropriate protective equipment. DO NOT touch spilled material.
Emergency procedures	:	Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.).

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection.
Emergency procedures	:	Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid release to the environment. Avoid discharge to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Eliminate every possible source of ignition. Move the cylinder to a safe and open area if the leak is irreparable.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Clean thoroughly. Following product recovery, flush area with water. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Pressurized container: Do not pierce or burn, even after use.
Precautions for safe handling	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not use if spray button is missing or defective. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. . Ground/bond container and receiving equipment. Do not re-use empty containers. Do not breathe gas/vapor/aerosol. Avoid contact with skin and eyes. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Hygiene measures	:	Wash thoroughly after handling. Use good personal hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Proper grounding procedures to avoid static electricity should be followed. Provide local exhaust or general room ventilation. Do not puncture, incinerate or crush. Comply with applicable regulations.
Storage conditions	:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.
Storage area	:	Aerosol 2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

propane (74-98-6)		
ACGIH	ACGIH TWA (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

8.2. Exposure controls

Appropriate engineering controls	:	Avoid exposure, obtain special instructions before use. Ensure good ventilation of the work station.
Personal protective equipment	:	Gloves. Protective clothing. Safety glasses. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Gas
Appearance	:	Aerosol. Clear, amber liquid.
Odor	:	No odor
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	444.88 °F Estimated
Flash point	:	-156 °F Propellant estimated
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Relative vapor density at 20 °C	:	No data available
Specific gravity / density	:	0.841 g/ml Estimated
Solubility	:	No data available
Log Pow	:	No data available

Log Kow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Thermal decomposition may produce oxides of carbon, nitrogen and chlorine.

10.2. Chemical stability
Extremely flammable aerosol. Risk of explosion. Risk of ignition. Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4. Conditions to avoid
Air contact. Heat. Open flame. Sparks. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. . Incompatible materials.

10.5. Incompatible materials
Oxidizing agent. oxygen.

10.6. Hazardous decomposition products
Thermal decomposition produces: CO, CO2, Oxides of nitrogen and other potentially toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

chloroparaffins, 70% chlorinated, liquid (63449-39-8)	
LD50 oral rat	> 5000 mg/kg (Rat)

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified.
Carcinogenicity	:	May cause cancer.

chloroparaffins, 70% chlorinated, liquid (63449-39-8)	
IARC group	2B - Possibly Carcinogenic to Humans

Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified
Symptoms/injuries after inhalation	:	Cough.
Symptoms/injuries after skin contact	:	Contact during a long period may cause light irritation.
Symptoms/injuries after eye contact	:	Direct contact with the eyes is likely irritating.
Symptoms/injuries after ingestion	:	Gastrointestinal complaints.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability

chloroparaffins, 70% chlorinated, liquid (63449-39-8)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.

12.3. Bioaccumulative potential

chloroparaffins, 70% chlorinated, liquid (63449-39-8)	
Bioaccumulative potential	No bioaccumulation data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

Transport document description : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1

UN-No.(DOT) : UN1950

Proper Shipping Name (DOT) : Aerosols
flammable, (each not exceeding 1 L capacity)

Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT) : 2.1 - Flammable gas

Marine pollutant : Yes (IMDG only)

DOT Packaging Non Bulk (49 CFR 173.xxx) : None

DOT Packaging Bulk (49 CFR 173.xxx) : None

DOT Special Provisions (49 CFR 172.102) : N82

DOT Packaging Exceptions (49 CFR 173.xxx) : 306

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg

DOT Vessel Stowage Location : A

DOT Vessel Stowage Other : 25 - Shade from radiant heat,87 - Stow ‘‘separated from’’ Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR

No additional information available

Transport by sea

UN-No. (IMDG) : UN1950

Proper Shipping Name (IMDG) : Aerosols, Flammable

Class (IMDG) : 2.1 - Flammable gases

Air transport

UN-No.(IATA) : UN1950

Proper Shipping Name (IATA) : Aerosols, Flammable

Class (IATA) : 2.1 - Gases : Flammable

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

1,4-dioxane	CAS No 123-91-1	0.01 - 0.1
ethylene oxide, oxirane	CAS No 75-21-8	0.01 - 0.1

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

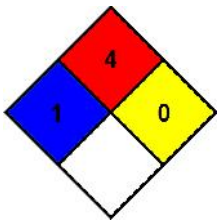
Full text of H-phrases:

Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Compressed gas	Gases under pressure Compressed gas
Flam. Aerosol 1	Flammable aerosol Category 1
Flam. Gas 1	Flammable gases Category 1
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H350	May cause cancer
H351	Suspected of causing cancer

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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