



## SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 085416

### FLUID D 170

Date of the previous version: not applicable

Revision Date: 2015-12-16

Version 1

#### 1. IDENTIFICATION

##### Product identifier

Product name FLUID D 170

##### Other means of identification

Product Code(s) 085416

Trade name -  
Substance/mixture Substance

##### Recommended use of the chemical and restrictions on use

**Identified uses** Manufacture of substances. Distribution of substance. Formulation & (re)packing of substances and mixtures. Uses in Coatings. Rolling oil. Metalworking fluid. Use in Cleaning Agents. Use as binders and release agents. Lubricant. Use as a fuel. Functional Fluids. Use in Agrochemicals. Laboratory activities. Road and construction applications. Other Consumer Uses. Explosives manufacture & use. Rubber production and processing. Polymer processing.

**Uses advised against** Do not use for any purpose other than the one for which it is intended

##### Details of the supplier of the safety data sheet

**Supplier Address** TOTAL Specialties USA Inc  
1201 Louisiana Street, Suite 1800  
Houston, TX 77002  
Phone: +1 800 323 3198

**Contact Point** Technical/ HSEQ

**E-mail Address** specialfluidsusa@total.com

##### Emergency telephone number

**Company Phone Number** +1 (713) 483-5039  
**Company Emergency Phone Number** 1-866-GENERA-1 (1-866-436-3721)  
**Emergency telephone** CHEMTREC: +1 800 424 9300 (24h)

#### 2. HAZARDS IDENTIFICATION

##### Classification

Aspiration toxicity - Category 1

##### Label elements

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**DANGER**

May be fatal if swallowed and enters airways

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/ container to an approved waste disposal plant

**Unknown Acute Toxicity**

No information available

**Hazards not otherwise classified (HNOC)**

None known

**Other information****Physical-Chemical Properties** Contaminated surfaces will be extremely slippery.**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical Name	CAS-No	Weight %
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	100

**4. FIRST AID MEASURES****First aid measures for different exposure routes****General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

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<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off with soap and water. High pressure jets may cause damage. In this case, the casualty should be sent immediately to hospital.
<b>Inhalation</b>	This risk exists only for oils containing a high proportion of very light distillates, or in the case of the formation of mist, or if the product is heated to a high temperature. Move to fresh air in case of accidental inhalation of vapors. Keep warm and at rest.
<b>Ingestion</b>	If swallowed, do not induce vomiting - seek medical advice. Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.
<b>Protection of First-aiders</b>	Use personal protective equipment.

**Most important symptoms/effects, acute and delayed**

<b>Skin contact</b>	Non-irritating during normal use.
<b>Eye contact</b>	Burning feeling and temporary redness.
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours).
<b>Symptoms</b>	Redness.

**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES**

<b><u>Suitable Extinguishing Media</u></b>	Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Uniform Fire Code</b>	Combustible Liquid: III-B
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Special Hazard</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	no.
<b>Sensitivity to Static Discharge</b>	May be ignited by friction, heat, sparks or flames.

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**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****General Information**

Use personal protective equipment.  
Evacuate non-essential personnel.  
Ensure adequate ventilation, especially in confined areas.  
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).  
Do not touch or walk through spilled material.

**Other information**

Remove all sources of ignition.

**Environmental precautions****General Information**

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. The product should not be allowed to enter drains, water courses or the soil. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up****Methods for cleaning up**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist.  
Avoid contact with skin, eyes and clothing.

**Technical measures**

Ensure adequate ventilation.  
Do not spray at high pressure (> 3 bar) .

**Prevention of fire and explosion**

Handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings). Do not smoke.  
Take precautionary measures against static discharges.

**Hygiene measures**

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke.  
Regular cleaning of equipment, work area and clothing is recommended. Do not dry hands with rags that have been contaminated with product. Do not use abrasives, solvents or fuels.  
Wash hands before breaks and at the end of workday.

**Conditions for safe storage, including any incompatibilities**

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<b>Technical measures/Storage conditions</b>	Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Storage installations should be designed with adequate bunds so as to prevent ground or water pollution in case of leaks or spills. Keep in a bunded area. Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Ground/bond containers, tanks and transfer/receiving equipment. Store at room temperature. Keep containers tightly closed and properly labelled.
<b>Packaging material</b>	Keep only in the original container or in a suitable container for this kind of product. steel . Stainless steel.
<b>Materials to Avoid</b>	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

<b>Exposure limits</b>	Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m <sup>3</sup> , NIOSH (REL) TWA 5 mg/m <sup>3</sup> , STEL 10 mg/m <sup>3</sup> , ACGIH (TLV) TWA 5 mg/m <sup>3</sup> (highly refined).
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#### Exposure controls

<b>Engineering Measures</b>	When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment. Apply technical measures to comply with the occupational exposure limits.
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#### Individual protection measures, such as personal protective equipment

<b>General Information</b>	Protective engineering solutions should be implemented and in use before personal protective equipment is considered. These recommendations apply to the product as supplied. If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.
<b>Eye/Face Protection</b>	If splashes are likely to occur, wear: Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear suitable protective clothing. Protective shoes or boots.
<b>Hand Protection</b>	Protective gloves.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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Regular cleaning of equipment, work area and clothing is recommended. Do not dry hands with rags that have been contaminated with product. Do not use abrasives, solvents or fuels.  
Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and chemical properties**

**Color** colorless To light yellow  
**Physical State @20°C** liquid  
**Odor** No information available  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>		Not applicable	
<b>Melting point/range</b>		No information available	
<b>Boiling point/boiling range</b>	<b>300 - 400 °C</b> 572 - 752 °F		EN ISO 3405 EN ISO 3405
<b>Flash point</b>	<b>&gt; 160 °C</b> > 320 °F		ISO 2719 ISO 2719.
<b>Evaporation rate</b>		No information available	
<b>Flammability Limits in Air</b>			
<b>Vapor Pressure</b>	< 0.001 kPa	@ 20 °C	
<b>Vapor density</b>		No information available	
<b>Relative density</b>	0.84		
<b>Density</b>	840 kg/m <sup>3</sup>	@ 15 °C	ISO 12185
<b>Water solubility</b>		Not applicable	
<b>Solubility in other solvents</b>		No information available	
<b>logPow</b>		Not applicable	
<b>Autoignition temperature</b>		No information available	
<b>Decomposition temperature</b>		No information available	
<b>Viscosity, kinematic</b>	< 20.5 mm <sup>2</sup> /s	@ 40 °C	ISO 3104
<b>Explosive properties</b>	Not considered explosive based on chemical structure and oxygen balance considerations Oil leaks in a pressurized circuit may result in a fine flammable spray (the lower flammability limit for oil mist is reached for a concentration of about 45g/m <sup>3</sup> )		
<b>Oxidizing Properties</b>	This product is not considered oxidising based on chemical structure considerations		
<b>Possibility of hazardous reactions</b>	None under normal processing		
<b>Other information</b>			
<b>Freezing Point</b>		No information available	
<b>Pour point</b>	11 °C		ISO 3016

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**10. STABILITY AND REACTIVITY**

<b><u>Reactivity</u></b>	None under normal processing.
<b><u>Chemical stability</u></b>	Stable under recommended storage conditions.
<b><u>Possibility of hazardous reactions</u></b>	None under normal processing.
<b><u>Conditions to Avoid</u></b>	No information available.
<b><u>Incompatible Materials</u></b>	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.
<b><u>Hazardous Decomposition Products</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Principle Routes of Exposure</b>	Inhalation, Ingestion, Eye contact, Skin contact.
<b>Symptoms</b>	Redness.
<b>Skin contact</b>	Non-irritating during normal use.
<b>Eye contact</b>	Burning feeling and temporary redness.
<b>Inhalation</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours).

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Acute toxicity - Product Information**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Oral ATEmix (oral)</b>	5001 mg/kg
<b>Dermal ATEmix (dermal)</b>	5001 mg/kg
<b>Inhalation ATEmix (inhalation-dust/mist)</b>	5.1 mg/l

**Acute toxicity - Component Information**

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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	LD50 > 5000 mg/kg bw (rat - OECD 420)	LD50 > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat - OECD 403)

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitization</b>	Not classified as a sensitizer.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	-	-	-	-

<b>Mutagenicity</b>	Contains no ingredient listed as a mutagen.
<b>Reproductive toxicity</b>	Contains no ingredient listed as toxic to reproduction.
<b>Target Organ Effects (STOT)</b>	None known.
<b>STOT-single exposure</b>	Not Classified.
<b>STOT - repeated exposure</b>	Not Classified.
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Acute aquatic toxicity - Product Information**

No information available

**Acute aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	EL50 (72h) > 100 mg/l (Pseudokirchneriella subcapitata - OCDE 201)	LL50 (96h) > 100 mg/L (Oncorhynchus mykiss - OCDE 203)	EL50 (48h) > 10000 mg/L (Daphnia magna - OCDE 202)	

**Chronic aquatic toxicity - Product Information**

No information available

**Chronic aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8		NOEL (21d) 10 mg/l (Daphnia magna - OCDE 211)	NOEL (14/28d) >1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

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**Effects on terrestrial organisms**

Chronic toxicity							
Chronic toxicity	Method	Species	Endpoint type	Values	Unit	Exposure Time	Unit
Toxicity to terrestrial organisms	OECD 222	Eisenia foetida	NOEL	1035	mg/kg soil dry weight	28	days
Toxicity to soil dwelling organisms	OECD 216/217	Loamy sand	NOEL	1035	mg/kg soil dry weight	56	days

**Toxicity to other organisms**

Other operational conditions of use affecting environmental exposure.

Acute toxicity							
Other organisms relevant to the environment	Test Method	Species	Endpoint type	Values	Unit	Exposure Time	Unit
Toxic to bees	OECD 214	Apis mellifera	LD50 Dermal	>100	µg / bees	48	hours
Toxic to bees	OECD 213	Apis mellifera	LD50 Oral:	>104.4	µg / bees	48	hours

**Persistence and degradability****General Information**

Product is biodegradable.

**Bioaccumulative potential****Product Information**

Not applicable.

**logPow**

Not applicable

**Component Information**

Not applicable.

**Mobility****Soil**

Given its physical and chemical characteristics, the product generally shows low soil mobility

**Water**

The product is insoluble and floats on water

**Other adverse effects****General Information**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste Disposal Methods**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO/IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>ADR/RID</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

**15. REGULATORY INFORMATION**

<b><u>International Inventories</u></b>	All the substances contained in this product are listed or exempted from listing in the following inventories: Europe (EINECS/ELINCS/NLP) U.S.A. (TSCA) Canada (DSL/NDSL) Australia (AICS) Korea (KECL) China (IECSC) Japan (ENCS) Philippines (PICCS) New Zealand (NZIoC)
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**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

No information available

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and chemical hazards</b> -
<b><u>HMIS</u></b>	<b>Health Hazard</b> 1	<b>Flammability</b> 1	<b>Physical Hazard</b> 0	<b>Personal protection</b> X

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

**Revision Date:**

2015-12-16

**Revision Note**

(M)SDS sections updated: 1, 3, 9, 11, 12

**Abbreviations, acronyms**

bw = body weight

bw/day = body weight/day

fw = fresh water

mw = marine water

or = occasional release

dw = dry weight

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

OECD = Organization for Economic Co-operation and Development

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### Legend

Section 8

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH - National Institute for Occupational Safety and Health

TLV - Threshold Limit Values

PEL - Permissible Exposure Limits

IDLH - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average

STEL - Short Term Exposure Limits

S\* - Skin notation

TSCA - Toxic Substance Control Act

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**This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.**

**End of the safety data sheet**

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