



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 30804

FLUIDE AT 42

Date of the previous version: 2015-03-31

Revision Date: 2016-11-03

Version 2.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	FLUIDE AT 42
Number	0DD
Substance/mixture	Mixture

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

Identified uses	Transmission fluid.
------------------------	---------------------

1.3. Details of the supplier of the safety data sheet

Supplier	TOTAL LUBRIFIANTS 562 Avenue du Parc de L'île 92029 Nanterre Cedex FRANCE Tél: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 84 71
-----------------	--

For further information, please contact:

Contact Point	HSE
E-mail Address	rm.msds-lubs@total.com

1.4. Emergency telephone number

Emergency telephone: +44 1235 239670
 France - ORFILA (INRS) Tél : +33 (0)1 45 42 59 59
 In France : - PARIS : Hôpital Fernand Widal 200, rue du Faubourg Saint-Denis 75475 Paris Cédex 10 , Tel : 01.40.05.48.48. -
 MARSEILLE : Hopital Salvator, 249 bd Ste Marguerite 13274 Marseille cedex 5, Tel : 04.91.75.25.25. - LYON : Hopital Edouard
 Herriot, 5 place d'Arsonvol, 69437 Lyon cedex 3, Tel : 04.72.11.69.11. - NANCY : Hopital central, 29 Av du Mal De Lattre de
 Tassigny, 54000 Nancy, Tel : 03.83.32.36.36 ou le SAMU : Tel (15)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008 ***

*For the full text of the H-Statements mentioned in this Section, see Section 2.2. ****

Classification

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008***

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

2.2. Label elements

Labelled according to

REGULATION (EC) No 1272/2008***

Signal Word

None***

Hazard Statements

None***

Precautionary Statements

None***

Supplemental Hazard Statements

EUH210 - Safety data sheet available on request***

EUH208 - Contains Alkoxylated long chain alkylamine. May produce an allergic reaction***

2.3. Other hazards

Physical-Chemical Properties

Contaminated surfaces will be extremely slippery.***

Environmental properties

Should not be released into the environment.***

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Reg. 1272/2008)
Distillates (petroleum), hydrotreated light paraffinic***	265-158-7***	01-2119487077-29	64742-55-8	50-<60	Asp. Tox. 1 (H304)
Methacrylate copolymer***	-	-	^	5-<10	Eye Irrit. 2 (H319)
Alkoxylated long chain alkylamine***	-	no data available	^	0.25-<1	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES

4.1. Description of first-aid measures

General advice

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

EMERGENCY MEDICAL CARE.***

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.***
Skin contact	Remove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse. High pressure jets may cause skin damage. Take victim immediately to hospital.***
Inhalation	Move to fresh air.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.***

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

Eye contact	Not classified.
Skin contact	Not classified. May produce an allergic reaction.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Notes to physician	Treat symptomatically.
---------------------------	------------------------

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media	Carbon dioxide (CO ₂). ABC powder. Foam. Water spray or fog.***
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special Hazard	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.
-----------------------	--

5.3. Advice for fire-fighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
Other information	Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General Information

Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.***

6.2. Environmental precautions

General Information

Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.***

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.***

6.4. Reference to other sections

Personal Protective Equipment See Section 8 for more detail.

Waste treatment See section 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

When using, do not eat, drink or smoke. 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.***

Prevention of fire and explosion

Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.***

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.***

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bonded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

contacts. Protect from frost, heat and sunlight. Protect from moisture.***

Materials to Avoid

Strong oxidizing agents.***

7.3. Specific end uses**Specific use(s)**

No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION8.1. Control parameters**Exposure limits**

Mineral oil mist:

USA: OSHA (PEL) TWA 5 mg/m³, NIOSH (REL) TWA 5 mg/m³, STEL 10 mg/m³, ACGIH (TLV) TWA 5 mg/m³ (highly refined)**Legend**

See section 16

Derived No Effect Level (DNEL)

DNEL Worker (Industrial/Professional)***

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8				5.4 mg/m ³ /8h (aerosol - inhalation)

DNEL Consumer***

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
Distillates (petroleum), hydrotreated light paraffinic*** 64742-55-8				1.2 mg/m ³ /24h (aerosol - inhalation)

8.2. Exposure controls**Occupational Exposure Controls****Engineering Measures**

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal Protective Equipment**General Information**

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

14387), Type A/P1. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye Protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection

Protective gloves, Long sleeved clothing, Protective shoes or boots.

Hand Protection

Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. In case of prolonged contact with the product, it is recommended to wear gloves complying with EN 420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency.***

Environmental exposure controls**General Information**

The product should not be allowed to enter drains, water courses or the soil.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance		limpid***	
Color		beige To red***	
Physical State @20°C		liquid***	
Odor		Characteristic***	
Odor Threshold		No information available***	
Property	Values	Remarks	Method
pH	***	Not applicable***	
Melting point/range	***	Not applicable***	
Boiling point/boiling range		No information available***	
Flash point ***	186*** °C*** 367*** °F***		Cleveland Open Cup (COC)*** Cleveland Open Cup (COC)***
Evaporation rate		No information available***	
Flammability Limits in Air		No information available	
upper ***	***	No information available***	***
Lower ***	***	No information available***	***
Vapor Pressure		No information available***	
Vapor density		No information available***	
Relative density ***	*** 0.840*** - *** 0.890***	@ 15 °C ***	***
Density	840*** - *** 890*** kg/m ³ ***	@ 15 °C***	
Water solubility		Insoluble***	
Solubility in other solvents		No information available***	
logPow		No information available***	
Autoignition temperature		No information available***	

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

Decomposition temperature	***	No information available***	***
Viscosity, kinematic ***	*** 37*** mm2/s***	@ 40 °C ***	ISO 3104 ***
***	***	***	
Explosive properties	Not explosive***		
Oxidizing Properties	Not applicable***		
Possibility of hazardous reactions	No information available***		

9.2. Other information

Freezing Point	***	No information available***

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

General Information	No information available.***
---------------------	------------------------------

10.2. Chemical stability

Stability	Stable under recommended storage conditions.
-----------	--

10.3. Possibility of hazardous reactions

Hazardous Reactions	None under normal processing.
---------------------	-------------------------------

10.4. Conditions to Avoid

Conditions to Avoid	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.***
---------------------	--

10.5. Incompatible materials

Materials to Avoid	Strong oxidizing agents.***
--------------------	-----------------------------

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products	None under normal use. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.***
----------------------------------	--

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effectsAcute toxicity Local effects Product Information

Skin contact	. Not classified. May produce an allergic reaction.
Eye contact	. Not classified.
Inhalation	. Not classified. Inhalation of vapors in high concentration may cause irritation of

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

Ingestion respiratory system.
 . Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

ATEmix (oral) 7,421.00*** mg/kg***
ATEmix (dermal) 7,421.00*** mg/kg***
ATEmix (inhalation-dust/mist) 7.60*** mg/l***
ATEmix (inhalation-vapor) 98.10*** mg/l***

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated light paraffinic***	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)
Alkoxylated long chain alkylamine***	LD50 1350 mg/kg (Rat)		LC50 (1h) 220 ppm (Rat - Vapor)

Sensitization

Sensitization Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction.

Specific effects

Carcinogenicity This product is not classified carcinogenic.
Mutagenicity This product is not classified as mutagenic.
Reproductive toxicity This product does not present any known or suspected reproductive hazards.

Repeated Dose Toxicity

Subchronic toxicity No information available.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

Other adverse effects No information available.

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Not classified.

Acute aquatic toxicity - Product Information

No information available.***

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum),	EL50 (72h) > 100 mg/l	EL50 (48h) > 10000 mg/L	LL50 (96h) > 100 mg/L	

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

hydrotreated light paraffinic*** 64742-55-8	(Pseudokirchneriella subcapitata - OCDE 201)	(Daphnia magna - OCDE 202)	(Oncorhynchus mykiss - OCDE 203)	
--	--	----------------------------	----------------------------------	--

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)	

Effects on terrestrial organisms

No information available.***

12.2. Persistence and degradability**General Information**

No information available.

12.3. Bioaccumulative potential**Product Information**

No information available.***

logPow

No information available.***

Component Information

No information available.***

12.4. Mobility in soil**Soil**

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

Air

Loss by evaporation is limited.***

Water

Insoluble. The product spreads on the surface of the water.***

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

No information available.

12.6. Other adverse effects**General Information**

No information available.***

Section 13: DISPOSAL CONSIDERATIONS

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Dispose of in accordance with the European Directives on waste and hazardous waste. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake- and cooling liquids is forbidden.

Contaminated packaging

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

EWC Waste Disposal No.

The following Waste Codes are only suggestions: 13 01 10. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.***

Section 14: TRANSPORT INFORMATION

ADR/RID Not regulated

IMDG/IMO Not regulated

ICAO/IATA Not regulated

ADN Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Further information

No information available

15.2. Chemical Safety Assessment

Chemical Safety Assessment No information available

Section 16: OTHER INFORMATION

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

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H412 - Harmful to aquatic life with long lasting effects***

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

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

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

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

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

DNEL = Derived No Effect Level

PNEC = Predicted No Effect Concentration

dw = dry weight

fw = fresh water

mw = marine water

or = occasional release

Legend Section 8

TWA: Time Weight Average

STEL: Short Time Exposure Limit

PEL: Permissible exposure limit

REL: Recommended exposure limit

TLV: Threshold Limit Values

+ Sensitizer

** Hazard Designation

M: Mutagen

*

C:

R:

Skin designation

Carcinogen

Toxic to reproduction

Revision Date: 2016-11-03

Revision Note *** Indicates updated section.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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.

Version EU



SDS # : 30804

FLUIDE AT 42

Revision Date: 2016-11-03

Version 2.01

End of the Safety Data Sheet

Version EU