



STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 5-6-2019 Revision date: 26-10-2020 Supersedes: 7-9-2020 version: 4.4

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : STOU 15W-30 GL-4 Multitrac Mineral

Product code : 36000

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use

Industrial/Professional use spec : Used in closed systems
Non-dispersive use

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MPM International Oil Company
Cyclotronweg 1
2629 HN Delft Delft - Nederland
T +31 (0)15 2514030 - F +31 (0)15 2514031
msds@mpmoil.nl - www.mpmoil.nl

1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains Benzene, polypropene derivatives, sulfonated, calcium salts, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS-No.) 4259-15-8 (EC-No.) 224-235-5 (REACH-no) 01-2119493635-27	1 – 4,99	Eye Dam. 1, H318 Aquatic Chronic 2, H411 (M=0)

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Benzene, polypropene derivatives, sulfonated, calcium salts	(EC-No.) 939-141-6 (EC Index-No.) POLYMER (REACH-no) 01-2120040541-70	0,1 – 0,99	Skin Sens. 1B, H317
C14-18 alpha-olefin epoxide, reaction products with boric acid	(EC-No.) 939-580-3 (EC Index-No.) 01-2119976364-28	0,1 – 0,99	Skin Sens. 1B, H317
Dodecylphenol, mixed isomers (branched)	(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (EC Index-No.) 604-092-00-9 (REACH-no) 01-2119513207-49	0,1 – 0,29	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
triphenyl phosphite	(CAS-No.) 101-02-0 (EC-No.) 202-908-4 (EC Index-No.) 015-105-00-7 (REACH-no) 01-2119511213-58	0,01 – 0,15	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
O,O,O-triphenyl phosphorothioate	(CAS-No.) 597-82-0 (EC-No.) 209-909-9 (REACH-no) 01-2119979545-21	0,01 – 0,15	Repr. 2, H361fd

Specific concentration limits:

Name	Product identifier	Specific concentration limits
zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	(CAS-No.) 4259-15-8 (EC-No.) 224-235-5 (REACH-no) 01-2119493635-27	(50 <C ≤ 100) Eye Dam. 1, H318
triphenyl phosphite	(CAS-No.) 101-02-0 (EC-No.) 202-908-4 (EC Index-No.) 015-105-00-7 (REACH-no) 01-2119511213-58	(5 ≤C < 100) Eye Irrit. 2, H319 (5 ≤C < 100) Skin Irrit. 2, H315

Comments : Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation : Allow affected person to breathe fresh air. No special measures are necessary.

After skin contact : Rinse skin with water/shower.

After eye contact : In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

After skin contact : Not expected to present a significant hazard under anticipated conditions of normal use.

After eye contact : Not expected to present a significant hazard under anticipated conditions of normal use.

After ingestion : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : water spray, powder, foam and CO₂.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No additional information available.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Exercise caution when fighting any chemical fire.

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Other information : Can be slippery on hard, smooth walking area.

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 : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Handling temperature : < 40 °C

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 40 °C

Storage area : Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information : Based on ACGIH TLV, a concentration of 5 mg/m³ oilspray (TWA, 8 hour workday) is recommended.

8.2. Exposure controls

Personal protective equipment:

Safety glasses. Insulated gloves.

Hand protection:

Wear suitable gloves resistant to chemical penetration. DIN EN 374. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35 mm		

Eye protection:

Safety glasses

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Appearance	: Oily.
Colour	: Yellowbrown.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °C @ ASTM D92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 877 g/l @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface.
Log Pow	: No data available
Viscosity, kinematic	: 72 mm ² /s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Additional information : No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agent. Acids and bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

LD50 oral rat	3100 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

C14-18 alpha-olefin epoxide, reaction products with boric acid

LD50 oral rat	> 16000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402

Dodecylphenol, mixed isomers (branched) (121158-58-5)

LD50 oral rat	2100 mg/kg OECD 401
LD50 dermal rabbit	15000 mg/kg OECD 402

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

triphenyl phosphite (101-02-0)	
LD50 oral rat	1590 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,45 - 2,13
LD50 dermal rabbit	2000 – 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 6,7 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

O,O,O-triphenyl phosphorothioate (597-82-0)	
LD50 oral rat	> 10000 mg/kg bodyweight OECD 401
LD50 dermal rat	> 2000 mg/kg bodyweight OECD 402 (
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)	
NOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

C14-18 alpha-olefin epoxide, reaction products with boric acid	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
NOAEL (subacute, oral, animal/male, 28 days)	1,5 mg/kg bodyweight
NOAEL (subacute, oral, animal/female, 28 days)	15 mg/kg bodyweight OECD 416

triphenyl phosphite (101-02-0)	
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (oral, rat, 90 days)	15 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

O,O,O-triphenyl phosphorothioate (597-82-0)	
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight OECD 407: EU Method B.7 (

Aspiration hazard : Not classified

STOU 15W-30 GL-4 Multitrac Mineral	
Viscosity, kinematic	72 mm ² /s @ 100°C

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Additional information : This product contains one or more components that have a branched alkyl phenol impurity very toxic to aquatic organisms (listed in Chapter 3). The components that contain the impurity have been tested and are not toxic to it aquatic organisms. Therefore, the data in Chapter 3 on the alkylphenol impurity cannot be used to classify the product whatever concerns the toxicity to aquatic organisms.

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

LC50 fish 1	4,4 mg/l Oncorhynchus mykiss OECD 203
LC50 fish 2	≥ 0 mg/l
EC50 Daphnia 1	75 mg/l Daphnia Magna OECD 201
EC50 96h algae (1)	240 mg/l Scenedesmus Subspicatus OECD 201 @21d
NOEC (chronic)	0,4 mg/l Daphna Magna OECD 211 @21 D- results analog product
NOEC (acute)	NOEC Acute 220 mg/l Scededesmus Subspicatus OECD 201-biomass

C14-18 alpha-olefin epoxide, reaction products with boric acid

LC50 fish 1	> 100 mg/l (Oncorhynchus mykiss)
EC50 Daphnia 1	> 100 mg/l (Daphnia magna)
EC50 72h algae (1)	> 100 mg/l (Selenastrum capiricomutum)
NOEC (acute)	NOEC Acute 32 mg/l @ 2DY (Daphnia Magna)

Dodecylphenol, mixed isomers (branched) (121158-58-5)

LC50 fish 1	40 mg/l Pimephales promelas
EC50 Daphnia 1	0,037 mg/l
EC50 Daphnia 2	0,0079 mg/l @21d
EC50 other aquatic organisms 1	0,36 Chlorophyta
EC50 other aquatic organisms 2	> 1000 mg/l @0.1d - slib
EC50 72h algae (1)	0,15 mg/l OECD 201 Desmodesmus subspicatus
EC50 72h algae (2)	0,36 mg/l Desmodesmus subspicatus
EC50 96h algae (2)	> 0,58 mg/l Mysidopsis Bahia
ErC50 (algae)	0,36 mg/l 21d
LOEC (chronic)	0,012 mg/l Daphnia magna @ 21d
NOEC (chronic)	0,0037 mg/l @21d - Daphnia

triphenyl phosphite (101-02-0)

LC50 fish 1	0,94 mg/l (Daphnia magna)
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O,O,O-triphenyl phosphorothioate (597-82-0)

LC50 fish 1	> 100 mg/l Brachydanio rerio
EC50 Daphnia 1	> 100 mg/l Daphnia magna
EC50 72h algae (1)	14,4 mg/l Scenedesmus quadricauda

12.2. Persistence and degradability

Dodecylphenol, mixed isomers (branched) (121158-58-5)

Biodegradation	25 % Sturm-test @28d
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triphenyl phosphite (101-02-0)

BOD (% of ThOD)	0,14 % ThOD @28D OECD TTG 301 D
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12.3. Bioaccumulative potential

zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

Log Kow	3,59
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C14-18 alpha-olefin epoxide, reaction products with boric acid

Log Kow	9,4 Calc.
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STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Dodecylphenol, mixed isomers (branched) (121158-58-5)

Bioconcentration factor (BCF REACH)	497,33 7,1 @0,1d
Log Kow	7,1 @ 0,1d

triphenyl phosphite (101-02-0)

Log Kow	6,25 @25C Calc.
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O,O,O-triphenyl phosphorothioate (597-82-0)

BCF fish 1	2,551
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12.4. Mobility in soil

Dodecylphenol, mixed isomers (branched) (121158-58-5)

Soil	No data available.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

STOU 15W-30 GL-4 Multitrac Mineral

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Benzene, polypropene derivatives, sulfonated, calcium salts, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.