



Vegetable Oil Pour Point Improver

Print date: 19.09.2011

Product code: 321

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

Product identifier

Vegetable Oil Pour Point Improver

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

Use of the substance/mixture

Additive for Plant-Oil fuels (Winter activity)

Details of the supplier of the safety data sheet

Company name: CTP-GmbH
Street: Saalfelder Straße 35
Place: D-07338 Leutenberg
Telephone: +4936734/230-0
Telefax: +4936734/230-22
e-mail: hotline@ctp-gmbh.de
Contact person: Jens Moeller, Dipl.-Chem. Telephone: +4936734/230-19
Internet: www.ctp-gmbh.de

Further Information

Article Number: 51120, 51121, 51124

SECTION 2: Hazards identification

Classification of the substance or mixture

This mixture is not classified as dangerous according to Directive 1999/45/EC.

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

Label elements

S phrases

02 Keep out of the reach of children.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Additives
Pour point depressant

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
203-625-9	toluene	1 - 5 %
108-88-3	F, Repr. Cat. 3, Xn, Xi R63-11-38-65-67-48/20	
	Flam. Liq. 2, Skin Irrit. 2, Repr. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H315 H361d H336 H373 H304	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures



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After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .

Subsequently wash again with: Water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.

Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion: Harmful: may cause lung damage if swallowed.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder. Sand. Carbon dioxide (CO₂). alcohol resistant foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special hazards arising from the substance or mixture

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear a self-contained breathing apparatus and chemical resistant suit.

Keep away from sources of ignition. No smoking.

Environmental precautions

Beat down gas/vapours/mist with water spray.

Do not empty into drains or the aquatic environment.

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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

SECTION 7: Handling and storage



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Precautions for safe handling

Advice on safe handling

Material must only be handled in closed installations or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking.

Further information on handling

Maximum process temperature not to exceed: 55 °C

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Further information on storage conditions

Do not store at temperatures over: 45 °C

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin and eyes.
Keep away from food, drink and animal feeding stuffs.
When using do not eat, drink or smoke.
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

In case of accumulation of fumes/aerosols, provide adequate ventilation.
In case of fire: Wear self-contained breathing apparatus.

Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber).

Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

Skin protection

Wear suitable solvent-proof protective clothing according to EN 465.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
Colour: amber coloured
Odour: mild

Test method



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Changes in the physical state

Pour Point:	- 5 °C
Flash point:	> 61 °C
Density (at 15,6 °C):	0.92 g/cm ³
Water solubility: (at 20 °C)	insoluble
Solubility in other solvents:	Organic solvents
Viscosity / kinematic: (at 100 °C)	660 mm ² /s

SECTION 10: Stability and reactivity

Conditions to avoid

No decomposition when used as intended.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

smoke, Carbon monoxide., Carbon dioxide., aldehydes

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
108-88-3	toluene				
	Acute oral toxicity	LD50	5300-5910 mg/kg	rat.	
	Acute dermal toxicity	LD50	12124 mg/kg	Rabbit.	

Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

Sensitizing effects

No data

SECTION 12: Ecological information

Toxicity

CAS No.	Chemical name				
	Aquatic toxicity	Method	Dose	Species	h
108-88-3	toluene				
	Acute fish toxicity	LC50	24 mg/l	Oncorhynchus mykiss	96
	Acute algae toxicity	ErC50	12 mg/l	Pseudokirchneriella subcapitata	72
	Acute crustacea toxicity	EC50	11,5 mg/l	Daphnia magna	48

Persistence and degradability

Some of the components are biodegradable.



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Bioaccumulative potential

not determined

Further information

Do not empty into drains or the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Container must be completely emptied.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

Inland waterways transport

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

- | | |
|-------|---|
| 11 | Highly flammable. |
| 38 | Irritating to skin. |
| 48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| 63 | Possible risk of harm to the unborn child. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 67 | Vapours may cause drowsiness and dizziness. |



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

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)