

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Autoprofi Octane Booster

Print date: 14.12.2011

Product code: 701

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

#### Product identifier

Autoprofi Octane Booster

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

##### Use of the substance/mixture

Increase the ROZ-octane number.

#### 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: 43215-1

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

Indications of danger : Highly flammable, Harmful

R-phrases:

Highly flammable.

Harmful by inhalation and in contact with skin.

Irritating to skin.

#### Label elements

Danger symbols:

F - Highly flammable; Xn - Harmful



F - Highly flammable

Xn - Harmful

#### Hazardous components which must be listed on the label

xylene

#### R phrases

11	Highly flammable.
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.

#### S phrases

02	Keep out of the reach of children.
46	If swallowed, seek medical advice immediately and show this container or label.
36/37	Wear suitable protective clothing and gloves.

### SECTION 3: Composition/information on ingredients

#### Mixtures

##### Chemical characterization

Ignition improver

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### Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
215-535-7	xylene	75 - 80 %
1330-20-7	Xn, Xi R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	
216-653-1	tert-butyl methyl ether, 2-methoxy-2-methylpropane, MTBE	20 - 25 %
1634-04-4	F, Xi R11-38	
603-181-00-X	Flam. Liq. 2, Skin Irrit. 2; H225 H315	
	Poly ether amine	1 - 5 %
N/A	N R51-53	
	Aquatic Chronic 2; H411	

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

## SECTION 4: First aid measures

### Description of first aid measures

#### General information

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

#### After inhalation

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

In case of difficulties of breathing consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

#### After contact with skin

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

After contact with skin, wash immediately with plenty of Water and soap.

Rub in high-fat content cream.

#### 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.

### 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.

Harmful by inhalation.

### Indication of any immediate medical attention and special treatment needed

Warning about danger of aspiration.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Extinguishing powder. Sand. alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

#### Extinguishing media which must not be used for safety reasons

High power water jet.

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### Special hazards arising from the substance or mixture

Formation of decomposition products possible.  
In case of fire and/or explosion do not breathe fumes.

### Advice for firefighters

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

### Additional information

Cool endangered container in case of fire.  
Contaminated fire-fighting water must be collected separately.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

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

Prevent spreading of spillages (e.g. by oil barrier).  
Wipe up with absorbent material (eg. cloth, fleece).

## SECTION 7: Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Closed devices. 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. Take precautionary measures against static discharges.

### 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**

Packaging materials: metal.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### **Exposure limits (EH40)**

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
1634-04-4	Methyl-tert-butyl ether	25	92		TWA (8 h)	WEL
		75	275		STEL (15 min)	WEL
1330-20-7	Xylene, o-, m-, p- or mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

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### Biological Monitoring Guidance Values (EH40)

CAS No.	Chemical name	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

### Exposure controls

#### Protective and hygiene measures

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 insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Tested protective gloves are to be worn: Butyl rubber. (EN 374)

#### 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:	transparent
Odour:	aromatic

#### Test method

#### Changes in the physical state

Flash point: -30 °C

Lower explosion limits:

Upper explosion limits:

Density (at 20 °C): 0,810 - 0,830 g/cm<sup>3</sup>

Water solubility:  
(at 20 °C) insoluble

Solubility in other solvents: Organic solvents

## SECTION 10: Stability and reactivity

### Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.

### Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

### Hazardous decomposition products

Carbon monoxide (CO).

Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### Information on toxicological effects

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### Acute toxicity

CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h Source
1330-20-7	xylene				
	Acute oral toxicity	LD50	4300 mg/kg	rat.	
	Acute dermal toxicity	LD50	3200 mg/kg	Rabbit.	
1634-04-4	tert-butyl methyl ether, 2-methoxy-2-methylpropane, MTBE				
	Acute oral toxicity	LD50	>2000 mg/kg	rat.	
	Acute dermal toxicity	LD50	>2000 mg/kg	rat.	
N/A	Poly ether amine				
	Acute oral toxicity	LD50	>5000 mg/kg	rat.	
	Acute dermal toxicity	LD50	>2000 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.

After ingestion:

Harmful: may cause lung damage if swallowed.

## SECTION 12: Ecological information

### Toxicity

CAS No.	Chemical name				
	Aquatic toxicity	Method	Dose	Species	h Source
1330-20-7	xylene				
	Acute fish toxicity	LC50	26,7 mg/l	Pimephales promelas	96
1634-04-4	tert-butyl methyl ether, 2-methoxy-2-methylpropane, MTBE				
	Acute fish toxicity	LC50	706 mg/l	Pimephales promelas	96
	Acute algae toxicity	ErC50	>800 mg/l	Algae	72
	Acute crustacea toxicity	EC50	651 mg/l	Daphnia magna	48
N/A	Poly ether amine				
	Acute fish toxicity	LC50	1-10 mg/l	Fish	96
	Acute algae toxicity	ErC50	10-100 mg/l	Algae	72

### Bioaccumulative potential

Swims on the water.

Low potential of bio-accumulation.

## 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.

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

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

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### Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

## SECTION 14: Transport information

### Land transport (ADR/RID)

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640C  
 Limited quantity: 1 L  
 Transport category: 2  
 Hazard-no.: 33  
 Tunnel restriction code: D/E

### Inland waterways transport

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640C  
 Limited quantity: 1 L

### Marine transport

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Marine pollutant: -  
 Special Provisions: 274  
 Limited quantity: 1 L  
 EmS: F-E, S-E

### Air transport

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**UN/ID number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
 Hazard label: 3



Special Provisions: A3  
 Limited quantity Passenger: 1 L  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

### Environmental hazards

Dangerous for the environment: no

## SECTION 15: Regulatory information

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

#### EU regulatory information

#### Additional information

Contains:  
 > 30 % aromatic hydrocarbons

#### National regulatory information

Water contaminating class (D): - - not water contaminating

## SECTION 16: Other information

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

10 Flammable.  
 11 Highly flammable.  
 20/21 Harmful by inhalation and in contact with skin.  
 38 Irritating to skin.  
 51 Toxic to aquatic organisms.  
 53 May cause long-term adverse effects in the aquatic environment.

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

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H332 Harmful if inhaled.  
 H411 Toxic to aquatic life with long lasting effects.

### 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.)*