

1) Matter/Formulation – Company:

Product: Enviro2 - base oil
Product-No: 1000
Utilization: Additive of base oil
Company: Enviro2 GmbH
 Nicolaus-Otto-Str. 10
 D-89079 Ulm-Donautal

Homepage: <http://www.enviro2.com>
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3) Possible Risks

No possible risks are known.

2) Facts about Ingredients

Ingredient	Content [%]	EINECS-No.	CAS-No.	R-Sets	S-Sets
base oil	99.9 %		8042-47-5		
Aluminum oxide	< 0.1%				
Silicon oxide	< 0.1%				
Carbon dioxide	< 0.1%				

4) First Aid acc. to: Directive 2006/102/EC

General Terms

S27: Take off all contaminated clothing.

By inhaling:

S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest

Contact with the skin:

S28: After contact with skin, wash immediately with plenty of water

S24: Avoid contact with skin.

Contact with eyes:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S25: Avoid contact with eyes.

By choking:

S64: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice and show this SDS.

General Terms for the doctor

Examine symptomatically

5) Arrangements for fire control

Useful extinguishing device

carbon dioxide, dry powder, foam, water spray beam.

Insufficient extinguishing device

Full water beam

Special risks of the matter or the product or its combustion products

Risk of forming toxic Pyrolyse products

Carbon monoxide (CO)

Sulfur oxide, Nitric oxide (NO_x)

Special safety equipment for fire fight

Do not breathe explosion and fire gases.

Use a self-contained breathing apparatus.

Further Advice

Fire residues and contaminated water should be cleaned up due to the guidelines of the state.

6) Arrangements at accidental disposal

Safety guidelines for Persons

Slip danger due to the discharged product.

Environmental Responsibility

Obviation of enlargement (e.g.confine or oil bans). Do not put it into the canalization /surface water/ground water.

Arrangement to clean

Use liquid binding effect material (e.g. sand, sawdust, Universal binding material, kieselguhr).

Decontaminate the material according to regulations

7) Storage Terms

General Safety Terms

By correct usage there are no known problems. Storage temperature 5-40°C.

Advice for Explosing and Brand safety

No special arrangements necessary.

Requirements for Strage and Package

Be careful that the dissolver does not get into the bottom or groundwater

Advice to Storage

Do not storage together with oxidation material.

Further advise for Storage

Store package at a ventilated place, packages have to be closed.

8) Limitation of Exposition and personal safety equipment

Further advice for the creation of the technical constructions

Ingredients concerning the working area and the monitoring max. values

Ingredient	CAS	Value:
base oil no specification	8042-47-5	MAK : 100 ppm
Aluminum oxide		MAK: 4 mg/m ³
Silicon oxide		-
Carbon		-

Not relevant.

Breathing protection

Not applicable.

Hand guard

gloves (dissolver unaffected).

Eye protection

Safety glasses.

Body protection

Not applicable.

General Safety Terms

Avoid contact with eyes or hands.

Do not breathe Gas/ vapors/ Aerosols.

Hygienic Arrangements

Clean your hands before breaks and after work. Prevention by using a hand crème.

Limitation and monitoring of environmental exposition

9) Physical and chemical Characteristics

Form:	Flüssig
Color:	transparent
Aroma:	Charakteristisch
Density 15°C [g/m ³]:	0,865 / DIN EN ISO 12185
Viscosity 40°C	22-26 / DIN 51562-1
Viscosity 100°C	4,4 – 4,9 / DIN 51562-1
VI	108 – 112 / DIN ISO 2909
NZ mg KOH/g	< 0,03 / DIN 51558-1
Flashpoint:	> 220°C /DIN ISO 2592
Pourpoint °C	< - 12
Noack-evaporation loss. %	11 – 18 / DIN 51581
Total Sulfur %	< 0,25 / DIN 51400-3
Coppercorrosion 3h/100°C	1 / DIN EN ISO 2160
C – Aromaten %	2 / DIN 51378-K

10) Steadiness and Reactivation

Risky reactions

Reactions with strong oxidation material

Risky decomposition product

No known decomposition products.
Avoid thermal decomposition.

11) Facts about Toxicology

Akute orale Toxicity	LD50 :
Akute dermal Toxicity	LD50 :
Akute inhalative Toxicity	LD50 :
Irritation at the eye	no data available
Awareness raising/Evaluation	no data available
Chronical Toxicity/ Evaluation	no data available
Reproduction toxicity/ Evaluation	no data available
Cancer orgenity/ Evaluation	no data available

Practical Experience

No

General Remarks

Toxicological data does not exist. The category is done by the calculation of the ingredients regulations (88/379/EWG).

12. Facts about Ecology

Biodegradable

Not applicable.

Fish toxicity

Advice for filter points

Not applicable.

AOX advice

No dangerous ingredients.

General Terms

Ecological data of the complete product is not available.

13. Advice for disposal

Disposal/ Product

Ask producer about recycling. Bear in mind the regulations and guidelines and use a combustion construction.

Pollution Key-No.: 130205*

Disposal/ uncleaned packages

Non contaminated packages can be recycled. Uncleaned packages have to be disposed due to the matter.

14. Facts about transport

14.1 Category by ADR

ADR: no hazardous good

Type of good:

Description:

Hazardous-No.:

Hazard label:

14.2 Category by IMDG:

IMDG Code: not classified as Dangerous Goods

Type of good:

Description:

Hazard label:

14.3 Category by IATA:

IMDG Code: not classified as Dangerous Goods

Type of good:

Description:

Hazard label:

15. Regulations

Identification

The product must be identified by the EG regulations

Special identification of the formulation

Not relevant

National Regulations

Employment constriction

Not applicable.

Category by VbF

VbF: Does not be subject to conditions of flammable liquids

Water dangerous category: 2

acc. to VwVwS vom 05/17/1999

Disturbance Regulation, limit values: No

Category by TA - Air 3.1.7

Product code:

BGVV-No.:

Further regulations

Separate cleaning of consumer waste.

Underline

AOX = adsorbable organic halogen

MAK = Max. allowable concentration

VbF= Regulation about flammable liquids

The details shown of the product are seen as a safety advice, this is not a contract to assure you any results. The safety advice is based on today's technology. No commitment.