

Safety Data Sheet in accordance with Regulation (EU)**No.453/2010****EXOLIT OP 550 (LV)**

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Substance key: 000000025424
Version : 4 - 0 / EURevision Date: 08.03.2011
Date of printing : 15.08.2011**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Trade name****EXOLIT OP 550 (LV)****Material number:** 156480**1.2. Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**Industry sector : Plastic processing industry.
Type of use : flameproofing agents**1.3. Details of the supplier of the safety data sheet****Identification of the company**Clariant Produkte (Deutschland) GmbH
Chemiepark Knapsack
50351 Hürth
Telephone no. : +49 2233 480**Information about the substance/mixture**Division Pigments & Additives
+49(0)2233-48-6152
e-mail: PA.PSKNAPSACK@CLARIANT.COM**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****2.2. Label elements****Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)**

The product does not require classification and labelling as hazardous according to CLP/GHS.

2.3. Other hazards

Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

polymeric ester of ethylene glycol and phosphoric acid with ethyl and hydroxyalkyl groups

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Concentration :	< 0,3 %
CAS number :	110-80-5
EC number:	203-804-1
Index Number	603-012-00-X

Classification hazard substance EC

		R 10
Repr.Cat.2	Toxic to reproduction - Category 2	R 60 R 61
Xn	Harmful	R 20/21/22

GHS classification EC

Flammable liquids	Category 3	H226
Reproductive toxicity	Category 1B	H360FD
Acute toxicity	Category 4	H332
Acute toxicity	Category 4	H312
Acute toxicity	Category 4	H302

Triethyl phosphate

Concentration :	< 6,5 %
CAS number :	78-40-0
EC number:	201-114-5
Index Number	015-013-00-7

Classification hazard substance EC

Xn	Harmful	R 22
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GHS classification EC

Acute toxicity	Category 4	H302
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The text of the R-phrases is shown in section 16.
The text of the H-phrases is shown in section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take for medical treatment

After inhalation

In the event of symptoms seek medical advice.

After contact with skin

In case of contact with skin wash off with warm water

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of lukewarm water and seek medical advice

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If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

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

No symptoms known currently.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**water mist
foam
carbon dioxide
dry powder**5.2. Special hazards arising from the substance or mixture**In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Carbon monoxide (CO)
Phosphorus oxides (eg Phosphorus pentoxide)
Carbon dioxide (CO₂)**5.3. Advice for firefighters****Special protective equipment for firefighting**

Use self-contained breathing apparatus

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment. Unprotected persons must be kept away.

6.2. Environmental precautionsDo not allow spilt product to enter soil or waterways
Contain contaminated water/firefighting water
Do not discharge into the drains/surface waters/groundwater.
Prevent spread over a wide area (e.g. by containment or oil barriers).**6.3. Methods and material for containment and cleaning up**Take up with absorbent material (eg sand, kieselguhr, universal binder)
Dispose of contaminated material as prescribed**6.4. Reference to other sections**

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Additional information

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on protection against fire and explosion

No special measures necessary

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Protect from atmospheric moisture and water

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

General protective measures

Do not inhale mist

Hygiene measures

Clean skin thoroughly after work; apply skin cream.

Respiratory protection :

Filter A (organic gases and vapours) to standard DIN EN 141

Hand protection :

Nitrile rubber gloves.

Minimum breakthrough time / gloves : > 120 min

Minimum thickness / gloves 0,35 mm

Butyl rubber gloves.

Minimum breakthrough time / gloves : > 120 min

Minimum thickness / gloves 0,5 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

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Eye protection : safety glasses
Body protection : impermeable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : Liquid
Particle size : not available
Colour : colourless to yellow-brown
Odour : sweetish
Odour threshold : Not tested
pH value : approx. 5 (20 °C, 10 g/l)
Melting point : < -20 °C
Boiling point (decomposition) : > 150 °C (1.013 hPa)
Flash point : not tested.
Vapour pressure : < 10 mbar (20 °C)
Solubility in water : (20 °C)
miscible
Octanol/water partition coefficient (log Pow) : not tested.
Ignition temperature : not tested.
Thermal decomposition : > 150 °C
Method : DTA
Viscosity (dynamic) : approx. 2.000 mPa.s (25 °C)
Explosive properties : Explosive according to EU supply regulations : Not known

9.2. Other information

Density : 1,31 g/cm³ (25 °C)
Bulk density : Not applicable
Impact sensitivity : Not impact-sensitive

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Stable.

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10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

none

10.6. Hazardous decomposition products

Flammable gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat (male)) Method : 92/69/EC(L383) B.1 bis * Acute toxicity (oral) (Fixed dose method)
Acute oral toxicity : (2-Ethoxyethanol)	LD50 3.000 mg/kg (rat)
Assesment of mutagenicity :	Not mutagenic in Ames Test.
Assessment of toxicity to reproduction :	not tested.
Specific target organ toxicity (STOT) - single exposure :	Remarks : not available
Specific target organ toxicity (STOT) - repeated exposure :	Remarks : not available

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity :	LC50 > 1.000 mg/l (96 h, Brachydanio rerio) Method : OECD 203
Bacteria toxicity :	EC50 > 1.000 mg/l (Pseudomonas putida)
Toxicity to soil-dwelling organisms :	not available
Toxicity to terrestrial organisms :	not available
Toxicity to other environmentally relevant organisms :	not available

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Biodegradability : < 20 %
Method : Measurement of Gas Production, 35°C, 90 d, ISO 11734.
< 20 %
Method : OECD 302 B

12.3. Bioaccumulative potential

Bioaccumulation: not available

12.4. Mobility in soil

Transport and distribution between environmental compartments : not available

12.5. Results of PBT and vPvB assessment

Regarding all available tox and ecotox data it can be stated, that the substance does neither fulfil the PBT nor the vPvB criteria.

12.6. Other adverse effects

Additional ecotoxicological remarks
No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product**

In accordance with regulations for special waste, must be taken to an authorised special waste incineration plant.
Harmful emissions must be removed by flue gas scrubbing

Uncleaned packaging

Uncontaminated packaging may be taken for recycling

SECTION 14: Transport information**Section 14.1. to 14.5.**

ADR not restricted
ADNR not restricted
RID not restricted
IATA not restricted
IMDG not restricted

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14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

The product is a preparation which contains the following substance, which, according to appendix XIV and XV of the REACH Regulation 1907/2006/EC, is an SVHC:

2-Ethoxyethanol

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Text of the R-phrases assigned to the ingredients/components mentioned in section 3 :

10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
22	Harmful if swallowed.
60	May impair fertility.
61	May cause harm to the unborn child.

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H360FD	May damage fertility. May damage the unborn child.

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm³" means "one point three five g/cm³").

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