

## **CURVALITE® SHEETS**

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

#### **1.1 Product identifier**

## **CURVALITE® SHEETS**

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

##### **Use:**

Semi-finished products for the production of plastic articles

#### **1.3 Details of the supplier of the safety data sheet**

Exolon Group N.V.  
Wakkensesteenweg 47  
8700 Tielt

Tel. +32 51 426 200  
sales@exolongroup.com

#### **1.4 Emergency telephone number**

Tel. +32 51 426 200

### **SECTION 2: Hazards identification**

#### **2.1 Classification of the substance or mixture**

No classification in accordance with the Regulation (EC) No. 1272/2008.

#### **2.2 Label elements**

No labeling necessary according to the Regulation (EC) No. 1272/2008.

#### **2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

**Type of product:** Mixture

#### **3.2 Mixtures**

polyester based on terephthalic acid

No dangerous ingredients according to REACH-Regulation (EC) No. 1907/2006.

#### **Candidate List of Substances of Very High Concern for Authorisation**

This product contains no substances of very high concern in concentrations where an information obligation applies (REACH Regulation (EC) No. 1907/2006, Article 59).

### **SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General advice:** No hazards which require special first aid measures.

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

**Notes to physician:** No information available.

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

**Therapeutic measures:** No information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media:** sprayed water jet, Dry chemical, Carbon dioxide (CO2), Foam

**5.2 Special hazards arising from the substance or mixture**

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen. In the event of fire and/or explosion do not breathe fumes.

**5.3 Advice for fire-fighters**

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Put on protective equipment (see section 8).

**6.2 Environment related measures**

Do not flush into surface water or sanitary sewer system.

**6.3 Methods and material for containment and cleaning up**

Use mechanical handling equipment.

**6.4 Reference to other sections**

No special precautions required.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

In case of mechanical processing, dust must be removed by effective exhaust ventilation.

In the case of thermal or laser processing of the product, provide for effective extraction at the machines.

**7.2 Conditions for safe storage, including any incompatibilities**

No special storage conditions required.

Storage class (TRGS 510) : 11: Combustible Solids

**7.3 Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

**8.2 Exposure controls****Respiratory protection**

In case of dust formation use respiratory equipment with filter type particle filter P1 according to EN 143.

**Hand protection**

Suitable materials for safety gloves; EN 374:

Polyvinyl chloride - PVC (>= 0.5 mm)

Recommendation: contaminated gloves should be disposed of.

**Eye protection**

Wear eye/face protection.

**Skin and body protection**

Wear suitable protective clothing.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance:	Sheet	
Colour:	different according to colouration	
Odour:	odourless	
Odour Threshold:	not established	
pH:	not applicable	
Softening point:	70 °C	
Flash point:	not established	
Evaporation rate:	not established	
Flammability:	not established	
Burning number:	not established	
Vapour pressure:	not applicable	
Vapour density:	not established	
Density:	1.29 g/cm³ at 20 °C	DIN 53479
Water solubility:	insoluble	
Surface tension:	not established	
Partition coefficient (n-octanol/water):	not established	
Auto-ignition temperature:	not established	
Ignition temperature:	not established	
Decomposition temperature:	not established	
Viscosity, dynamic:	not applicable	
Explosive properties:	not established	
Dust explosion class:	not applicable	

Oxidizing properties: not established

## **9.2 Other information**

The indicated values do not necessarily correspond to the product specification. Please refer to the product information sheet or the technical information sheet for specification data.

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

This information is not available.

### **10.2 Chemical stability**

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

### **10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

### **10.4 Conditions to avoid**

This information is not available.

### **10.5 Incompatible materials**

This information is not available.

### **10.6 Hazardous decomposition products**

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO2 may be developed.

## **SECTION 11: Toxicological information**

Toxicological studies on the product are not yet available.

### **11.1 Information on toxicological effects**

#### **Acute toxicity, oral**

No data available.

#### **Acute toxicity, dermal**

No data available.

#### **Acute toxicity, inhalation**

No data available.

#### **Primary skin irritation**

No data available.

#### **Primary mucosae irritation**

No data available.

#### **Sensitisation**

No data available.

#### **Subacute, subchronic and prolonged toxicity**

No data available.

#### **Carcinogenicity**

No data available.

#### **Reproductive toxicity/Fertility**

No data available.

**Reproductive toxicity/Teratogenicity**

No data available.

**Genotoxicity in vitro**

No data available.

**Genotoxicity in vivo**

No data available.

**STOT evaluation – one-time exposure**

No data available.

**STOT evaluation – repeated exposure**

No data available.

**Aspiration toxicity**

No data available.

**Additional information**

According to our experience and information the product has no harmful effects on health if properly handled.

**SECTION 12: Ecological information**

No effects known to be harmful to the environment.

**12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

No data available.

**SECTION 13: Disposal considerations**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

**13.1 Waste treatment methods**

Incineration or mechanical recycling.

**SECTION 14: Transport information****ADR/RID**

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

**ADN**

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

Dangerous goods classification for inland waterways tanker by request only.

**IATA**

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

**IMDG**

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

**14.6 Special precautions for user**

See section 6 - 8.

Additional information : Not dangerous cargo. Keep dry.

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

Not applicable.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Water contaminating class (Germany)**

nw not water endangering

Identification number according to AwSV: 766

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been conducted for this substance / mixture resp. its components.

**SECTION 16: Other information**

**Abbreviations and acronyms**

ADN	Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
ATE	Acute Toxic Estimate
AwSv	Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
BCF	Bioconcentration Factor
CAS	Chemical Abstract Service
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
CMR	Cancerogenic Mutagenic Reprotoxic
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
EC...	Effect Concentration ... %
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LOAEL	Lowest Observable Adverse Effect Level
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEL	No Observed Adverse Effect Level
NOEL/NOEC	No Observed Effect Level/Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses
STOT	Specific Target Organ Toxicity
TRGS	Technische Regeln für Gefahrstoffe
vPvB	very Persistent, very Bioaccumulative
WGK	Wassergefährdungsklasse

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.