



# Material Safety Data Sheet

## Parlon

Edition: 10/05/2016

### 1) Identification of substance/preparation and of the company undertaking

Material Parlon  
 Synonyms Chlorinated rubber, Pergut  
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### 2) Hazard 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 labelling necessary according to the Regulation (EC) No. 1272/2008.

#### 2.3 Other hazards

Possible risk of absorption through the skin of toluene.

Risk of dust explosions.

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 100 %

### 3) Composition

Chlorinated polymer containing max. 2,5 % wt.toluene

Toluene	wt.-%	max. 2,5
	Index-No.	601-021-00-3
	CAS No.	108-88-3
	EC-No.	203-625-9
	REACH Registration Number	01-2119471310-51-0026
	Classification (1272/2008/CE)	Flam. Liq. 2 H225 Repr. 2 H361d Asp. Tox. 1 H304 STOT RE 2 H373 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 3 H412

Exposure scenarios are not required for the impurities of the substance according to article 3(1) of Regulation (EC) No 1907/2006 mentioned above.

Candidate List of Substances of Very High Concern for Authorisation

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

**4) First Aid Measures****General advice:**

Remove all contaminated clothing.

**If inhaled:**

If high concentrations of the dusts have been inhaled, the person should be taken into the fresh air and kept still and warm. If there is difficulty in breathing, medical attention should be obtained.

**In case of skin contact:**

In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.

**In case of eye contact:**

Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

**If swallowed:**

DO NOT induce the patient to vomit, medical advice is required.

**5) Fire Fighting****Extinguishing media**

CO<sub>2</sub>, foam, dry powder; for larger fires, water spray should be used.

Formation of hydrogen chloride in the event of fire. In the event of fire and/or explosion do not breathe fumes.

Firemen must wear self-contained breathing apparatus.

Fight fire in early stages if safe to do so. Cool undamaged containers with water. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

**6) Accidental Release****Personal precautions, protective equipment and emergency procedures**

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

**Environment related measures**

Do not allow to escape into waterways, wastewater or soil.

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

Avoid formation and deposition of dust. Use mechanical handling equipment. Fill into labelled, sealable containers.

**Reference to other sections**

For further disposal measures see section 13.

**7) Handling/Storage****Precautions for safe handling**

Provide sufficient air exchange and/or exhaust in work rooms. Vapours of toluene may be released on heating or placing in solution and can accumulate during storage in closed container.

Take measures to prevent dust formation; remove any dust with air extractors where it is formed. When dissolving the product use efficient exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice.

Prevent formation of explosive dust-air mixtures. Take measures to prevent the build up of electrostatic charge.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated clothing.

### Conditions for safe storage, including any incompatibilities

Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

Storage class (TRGS 510) : 13: Non Combustible Solids

## 8) Exposure Controls

### Components with workplace control parameters

Substance	CAS-No.	Basis	Type	Value	Remarks
Toluene	108-88-3	EH40 WEL	TWA	50 ppm 191 mg/m <sup>3</sup>	
Toluene	108-88-3	EH40 WEL	STEL	100 ppm 384 mg/m <sup>3</sup>	
Toluene	108-88-3	EH40 WEL			Dermal absorption possible
Toluene	108-88-3	EU ELV	TWA	50 ppm 192 mg/m <sup>3</sup>	Indicative
Toluene	108-88-3	EU ELV	STEL	100 ppm 384 mg/m <sup>3</sup>	Indicative
Toluene	108-88-3	EU ELV			Dermal absorption possible
General limiting value of dust		EH40 WEL	TWA	10 mg/m <sup>3</sup>	inhalable fraction
General limiting value of dust		EH40 WEL	TWA	4 mg/m <sup>3</sup>	alveolar fraction

### Exposure controls

Respiratory protection	If product forms dust wear dust-protection mask. Respiratory equipment required during spraying of the coating.
Hand protection	Suitable materials for safety gloves; EN 374: Nitrile rubber - NBR: thickness $\geq 0,35$ mm; breakthrough time $\geq 480$ min. Recommendation: contaminated gloves should be disposed of.
Eye protection	Wear eye/face protection.
Skin and body protection	Wear suitable protective clothing.

## 9) Physical/Chemical Properties

Form	Powder
Colour	White
Odour	Almost odourless
Melting point	ca. 200 °C DIN 51556
Density	ca. 1,5 g/cm <sup>3</sup> DIN 53479
Vapour pressure	Not applicable
Solubility in water	Insoluble
pH value	ca. 8–9
Dust explosion class	Dust explosion class St 1: slightly capable of causing a dust explosion (VDI 2263)
Flash point	Not applicable

Ignition temperature	Not applicable
Explosive limits	Not applicable
Remarks	Please see the product information sheet.

**10) Stability/Reactivity**

Thermal decomposition	Decomposition begins at 255 °C.
Hazardous decomposition products	No hazardous decomposition products when stored and handled correctly

**11) Toxicological Info**

Acute toxicity, oral	LD50 rat: > 2,000 mg/kg Method: Directive 67/548/EEC, Annex V, B.1. Toxicological studies at the product
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Acute toxicity, dermal	Study scientifically not justified.
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Acute toxicity, inhalation	No data available.
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Primary skin irritation	Species: rabbit Result: non-irritant Classification: No skin irritation Method: OECD Test Guideline 404 Toxicological studies at the product
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Primary mucosae irritation	Species: rabbit Result: slight irritant Classification: No eye irritation Method: OECD Test Guideline 405 Toxicological studies at the product
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Sensitisation	No data available.
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Subacute, subchronic and prolonged toxicity	No data available.
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Carcinogenicity	No data available.
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Reproductive toxicity/Fertility	No data available.
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Reproductive toxicity/Teratogenicity	No data available.
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Genotoxicity in vitro	No data available.
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Genotoxicity in vivo	No data available.
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STOT evaluation – one-time exposure	No data available.
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STOT evaluation – repeated exposure	No data available.
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Aspiration toxicity	No data available.
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**12) Ecological Information**

Ecotoxicological studies of the product are not available.

Do not allow to escape into waterways, wastewater or soil.

Acute Fish toxicity	LC50 > 100 mg/l Species: Danio rerio (zebra fish) Exposure duration: 96 h Ecotoxicological reports on a comparable product
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Acute bacterial toxicity	EC50 > 10,000 mg/l Species: activated sludge Method: OECD Test Guideline 209 Ecotoxicological reports on a comparable product
Biodegradability	Biodegradation: < 60 %, i.e. not readily degradable Method: OECD Test Guideline 301 F Ecotoxicological reports on a comparable product

**13) Disposal Consideration**

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.

Waste treatment methods      After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

None disposal into waste water.

**14) Transport Information**

Not dangerous cargo.  
Keep dry.  
Keep separated from foodstuffs.

**15) Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances: Not applicable

**Water contaminating class (Germany)**

nw: not water endangering  
(in accordance with Annex 1 to the Directive on Water-Hazardous Substances)

**Chemical Safety Assessment**

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

**16) Other Information**

Full text of the hazard statements of the CLP classification (1272/2008/CE) referred to under sections 2, 3 and 10:

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.
H412	Harmful to aquatic life with long lasting effects.

This information is for health and safety guidance only, is not a material specification, and does not constitute the user's own assessment of suitability, and workplace risk as required by any other Health and Safety legislation. It is accurate to the best of our knowledge and belief, but since the conditions of handling and use are outside our control we make no guarantee of results, and assume no liability for damages incurred by use of this material.