



MATERIAL SAFETY DATA SHEET

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. These details do not imply any guarantee concerning composition, properties or performance.

INNER COIL:

Section 1 | Identification of the substance/Preparation & Company

Name of Goods: Polypropylene

Section 2 | Hazards Identification

Hazards Type: Indefinite

Approach: Suck in

Health Hazards: Non-toxic. Pay attention to different additives in toxicity

Environmental Hazards: Cannot decompose in the soil

Combustion Hazard: Flammable

Section 3 | Composition, Information on Ingredients

CAS NO.: 9003-07-0

Chemical Formula: [C₃H₆]_n

Hazardous: NO

Section 4 | First Aid Measures

If Suck in, go to fresh air location

Section 5 | Fire Fighting Measures

Hazardous characteristics: Powder and Air can form an explosive. It will explode when it reaches proper thickness. Heat decomposition produces flammable gas.

Hazardous Combustion Products: carbon monoxide

Fire Extinguishing Method: Move container from fire immediately.

Fire Extinguishing Media: Vaporific, Foam, Dry-chemical, Carbonmonoxide, Sand clay.

Section 6 | Accidental Release Measures

Sweep up with a broom and spade. Store into a dry, clean and sealed container for disposal.

Section 7 | Handling and Storage

Handling: Enclosed Operation. Provided good ventilation and local exhaust systems are used.

Storage: Store in a cool, dry, ventilated area that is far from kindling. Separate from oxidizer.

Section 8 | Exposure Controls, Personal Protection

Exposure limit Values: China MAC(mg/m³): 10

Exposure Controls

Engineering Controls: Enclosed Operation. Provided good ventilation and local exhaust systems are used.

Respiratory Protection: In case of dust formation use respiratory equipment with filter type particle filter

Eye Protection: Protective goggles with side shield or tight-fitting protective goggles

Body Protection: Wear normal protective clothing

Hand protection: Wear normal protective gloves

Section 9 | Physical and Chemical Properties

Relative density water = 1 : 1.302

Physical state and color: Solid, White

Melting Point: 165-170°C

Section 10 | Stability and Reactivity

Reaction oxide

Section 11 | Toxicological Information

Not considered to be an explosion hazard

Section 12 | Ecological Information

No data available. No information available

Section 13 | Disposal Considerations

Methods of disposal: Setting on fire

Section 14 | Transport Information

No transport with oxide

Section 15 | Regulatory Information

Dangerous chemical safety management regulations (1987/2/17), [1992]6GB 16209-1996

Section 16 | Other Information

NO

RUBBER:

Section 1 | Identification of the substance/Preparation & Company

Copolymer consisting of propene, ethylene, ethylidene norbornene

Section 2 | Hazards Identification

The product is not hazardous to health or the environment according to EU criteria.

Section 3 | Composition, Information on Ingredients

CAS No.: 25038-36-2

Contains propene

weight %: below 0,001

CAS No.: 115-07-1 Index No. 601-01-00-9

hazard symbol: F+ EINECS No.: 204-062-1

R-phrases: 12

Contains ethylene

weight %: below 0,001

CAS No.: 74-85-1 Index No.: 601-010-00-3

hazard symbol: F+ EINECS No.: 200-815-3

R-phrases: 12

Contains ethylidene norbornene

weight %: below 0,1

CAS No.: 16219-75-3 Index No.: —

hazard symbols: Xn, N EINECS No.: 240-347-7

R-phrases: 10-20-37/38-51/53

Section 4 | First Aid Measures

No special measures required.

Section 5 | Fire Fighting Measures

Extinguishing media: No restriction

Section 6 | Accidental Release Measures

Take up mechanically

Section 7 | Handling and Storage

Protect from moisture and do not expose to temperatures above 35°C. Keep away from light. Exhaust ventilation is required in the working area with regard to the other chemical additives used in rubber processing. Do not breathe vapours evolved during processing. No special measures against fire or explosion required. VCI storage class: 11

Section 8 | Exposure Controls, Personal Protection

MAK value propene, ethylene, ethylidene norbornene: not established ethylene is specified in the German MAK-List, section III cat. 3

Eye protection: No special measures required.

Hand protection: No special measures required.

Respiratory protection: In case of effective exhaust ventilation no special further requirements.

Section 9 | Physical and Chemical Properties

Form: rubber bales

Colour: white to grey

Odour: slight characteristic smell

Change in physical state: not applicable

Density: approx. 0,86 g/cm³

Vapour pressure: not applicable

Viscosity: not applicable

Solubility in water: insoluble

Soluble in: aromatic and aliphatic hydrocarbons

pH value: not applicable

Flash point: above 300 °C

Ignition temperature: Value not determined.

Explosive limits: not applicable

Section 10 | Stability and Reactivity

Thermal decomposition: above 200 °C

Hazardous decomposition products: Formation of ignitable fumes during thermal decomposition. In case of fire be aware of formation of noxious fumes.

Hazardous reactions: No hazardous reactions observed.

Section 11 | Toxicological Information

The product still contains traces of monomers.

At processing temperatures common within the rubber industry, a health hazard caused by liberated monomer vapours can be excluded if suitable ventilation and exhaust ventilation is used.

Section 12 | Ecological Information

Water pollution class (WGK): not generally hazardous to water; WGK = Classification in accordance with the German Water Resources Act

Section 13 | Disposal Considerations

Not otherwise usable product residues may be disposed of, along with other wastes, at incineration plants for domestic or industrial wastes.

Section 14 | Transport Information

GGVSE: — UN: NODG PG: —

RID/ADR: — UN: NODG PG: —

ADNR: — UN: NODG PG: —

GGVSee/IMDG Code: — UN: NODG PG: — MPO: —

ICAO-TI/IATA-DGR: — UN: NRES PG: —

Declaration for land shipment: —

Declaration for sea shipment: —

Declaration for shipment by air: —

Other information: Not dangerous cargo. Keep separated from food.

Section 15 | Regulatory Information

No labeling is required in accordance with the EEC directives.

Section 16 | Other Information

Suitable precautionary measures must be taken to ensure that the applicable exposure limits are met in the working area and impairment of health is avoided. Required industrial safety measures, including effective ventilation and exhaust ventilation in the working area, must comply with the existing accident prevention rules. All components of this product are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS) under the provisions indicated in the corresponding EEC-Directive.