

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

· 1.1 Product identifier

- Trade name: **Industrie PG**
- Product code: 5005000, 1005000-PG, 1004000-PG

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

- Application of the substance / the mixture: Tyre sealant.
- Uses advised against: No further relevant information available.

· 1.3 Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

ITW Global Tire Repair, Europe GmbH
Carl-Benz Str. 10, 88696 Owingen, Germany
Tel 0049 7551-9200-100
Email: Comments@itwgtr.com

· 1.4 Emergency telephone number:

ChemTel

(800) 255-3924 (North America)
(801) 1 (813)248-0585 (International)

United Kingdom and the Republic of Ireland
0845 46 47 (England and Wales - 24 hours)
08454 24 24 24 (Scotland - 24 hours)
0808 808 8000 (Northern Ireland - 24 hours)

+353 (0)1 809 2166 (Ireland - Available to the public 8 am – 10 pm. Available 24/7 for medical professionals)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

STOT RE 2 H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS08

· Signal word Warning

· Hazard-determining components of labelling:

Ethylene glycol

· Hazard statements

H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Components:

CAS: 107-21-1 EINECS: 203-473-3 Index number: 603-027-00-1 Reg.nr.: 01-2119456816-28-XXXX	Ethylene glycol STOT RE 2, H373 Acute Tox. 4, H302	10-25%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-XXXX	Propylene glycol substance with a Community workplace exposure limit	10-25%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose substance with a Community workplace exposure limit	<10%

- **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation is experienced, consult a doctor.
- **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

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

- Gastric or intestinal disorders when ingested.

· Hazards:

- May be harmful if swallowed.
- May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

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

- Treat symptomatically.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment as required.
Ensure adequate ventilation
- **6.2 Environmental precautions** Avoid release to the environment.
- **6.3 Methods and material for containment and cleaning up**
Towel or mop up material and collect in a suitable container.
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle receptacle with care.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

107-21-1 Ethylene glycol

IOELV (EU)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin
WEL (Great Britain)	Short-term value: 104** mg/m ³ , 40** ppm

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OEL (Ireland)	Long-term value: 10* 52** mg/m ³ , 20** ppm Sk *particulate **vapour Short-term value: 104** mg/m ³ , 52** ppm Long-term value: 10* 20** mg/m ³ Sk, IOELV; *particulate **vapour
57-55-6 Propylene glycol	
WEL (Great Britain)	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
OEL (Ireland)	Long-term value: 470* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
9004-34-6 Cellulose	
WEL (Great Britain)	Short-term value: 20* mg/m ³ Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable
OEL (Ireland)	Long-term value: 10 mg/m ³

- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.

8.2 Exposure controls

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not breathe dust/fume/gas/mist/vapours/spray.

Respiratory protection:

Not required under normal conditions of use.
Wear appropriate NIOSH or EU approved respirator when ventilation is inadequate and occupational exposure limits are exceeded.
For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

Gloves are advised for repeated or prolonged contact.
Material: Nitrile
Thickness: ≥4 mil
Breakthrough time: 2 hours

Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment:**
No further relevant information available.
- **Risk management measures:** No further relevant information available.

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance

Form:	Viscous liquid.
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value:	Neutral
· Melting point/freezing point:	Not determined.
· Initial boiling point and boiling range:	Not determined.

· Flash point:	The product is not flammable.
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· Flammability (solid, gas):	Not applicable.
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· Auto/Self-ignition temperature:	Not determined.
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· Decomposition temperature:	Not determined.
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· Explosive properties:	Product does not present an explosion hazard.
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· Explosion limits

Lower:	Not determined.
Upper:	Not determined.

· Oxidising properties	Non-oxidising.
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· Vapour pressure:	Not determined.
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· Density:

Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.

· Solubility in / Miscibility with water:	Fully miscible.
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· Partition coefficient: n-octanol/water:	Not determined.
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· Viscosity

Dynamic:	Not determined.
Kinematic:	Not determined.

· 9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
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· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
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· 10.3 Possibility of hazardous reactions

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- Reacts with strong acids.
- Reacts with strong oxidising agents.
- Reacts with strong alkali.
- **10.4 Conditions to avoid** Excessive heat.
- **10.5 Incompatible materials** Oxidisers, strong bases, strong acids
- **10.6 Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	>2000 mg/kg
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- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
- **IARC (International Agency for Research on Cancer):**
Present in trace quantities.

50-00-0	Formaldehyde	1
149-30-4	benzothiazole-2-thiol	2A

- **Probable routes of exposure:**
Ingestion.
Inhalation.
Eye contact.
Skin contact.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:**
May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- DOT, ADR/RID/ADN, IMDG, IATA Not Regulated
- **14.2 UN proper shipping name**
- DOT, ADR/RID/ADN, IMDG, IATA Not Regulated
- **14.3 Transport hazard class(es)**
- DOT, ADR/RID/ADN, IMDG, IATA
- Class Not Regulated
- **14.4 Packing group**
- DOT, ADR/RID/ADN, IMDG, IATA Not Regulated
- **14.5 Environmental hazards:**
- Marine pollutant: No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **IARC (International Agency for Research on Cancer)**
Present in trace quantities.

50-00-0	Formaldehyde	1
149-30-4	benzothiazole-2-thiol	2A

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· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - oral - Category 4

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtel.com