

COLD-INSTALLABLE PRODUCTS FOR TELECOMMUNICATION APPLICATIONS**1. Identification of the substance/preparation and of the company/undertaking****1.1 Identification of the substance or preparation:**

Synonyms: TTRC, T2C, SLEEVE 34, GSIC, GELSNAPE, VST, GS3, TRAC, TERMSEAL, KL-TGE-CAP, MCJ

CAS No.	: N.A.	Reference	: COMM091 revision 0
EC index No.	: N.A.	NFPA code	: N.D.
EINECS No.	: N.A.	Molecular weight	: N.A.
RTECS No.	: N.A.	Formula	: N.A.

1.2 Use of the substance or the preparation:

watertight sealing for underground and overhead telecommunication applications

1.3 Company/undertaking identification:

CommScope Connectivity Belgium bvba
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1.4 Telephone number for emergency:

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Brandweerinformatiecentrum voor gevaarlijke stoffen (B.I.G.)
Technische Schoolstraat 43 A, B-2440 Geel

2. Composition/information on ingredients

- Plastics, polyolefine- and olefinecopolymer-based
- Products can be used together with thermoplastic gels

3. Hazards identification

- No hazard classification in accordance with directives 67/548/EEC and 1999/45/EC

4. First aid measures**4.1 Eye contact:**

- If irritation persists: consult a doctor/medical service
- Rinse with water

4.2 Skin contact:

- Not applicable

4.3 After inhalation:

- Not applicable

4.4 After ingestion:

- Not applicable

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5. Fire-fighting measures

- 5.1 Suitable extinguishing media:**
- All extinguishing media allowed
- 5.2 Unsuitable extinguishing media:**
- Not applicable
- 5.3 Special exposure hazards:**
- Not easily combustible
- Hazardous decomposition products may be evolved in a fire
- 5.4 Instructions:**
- Dilute toxic gases with water spray
- 5.5 Special protective equipment for firefighters:**
- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

6. Accidental release measures

- 6.1 Personal protection/precautions:**
See heading 8.1/8.3/10.3
- 6.2 Environmental precautions:**
- Not applicable
- 6.3 Methods of cleaning up:**
- Solid spill: pick up for continued use or disposal

7. Handling and storage

- 7.1 Handling:**
- Observe normal hygiene standards
- 7.2 Storage:**
- Meet the legal requirements
- Keep away from: heat sources
- | | | |
|--------------------------------|--------------------|------|
| Storage temperature | : N.D. | °C |
| Quantity limits | : N.D. | kg |
| Storage life | : N.D. | days |
| Materials for packaging | : | |
| - suitable | :no data available | |
| - to avoid | :no data available | |
- 7.3 Specific uses:**

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA : not listed
TLV-STEL : not listed
TLV-Ceiling : not listed

OES-LTEL : not listed
OES-STEL : not listed
MEL-LTEL : not listed
MEL-STEL : not listed

MAK : not listed
TRK : not listed

MAC-TGG 8 h : not listed
MAC-TGG 15 min. : not listed
MAC-Ceiling : not listed

VME-8 h : not listed
VLE-15 min. : not listed

GWBB-8 h : not listed
GWK-15 min. : not listed
Momentary value : not listed

EC : not listed
EC-STEL : not listed

Sampling methods:

- Not applicable

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

- No data available

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:

- Not required for normal conditions of use

8.3.2 hand protection:

- Not required for normal conditions of use
Suitable materials: No data available

- Breakthrough time: N.D.

8.3.3 eye protection:

- Not required for normal conditions of use

8.3.4 skin protection:

- Not required for normal conditions of use
Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : plastic moulded parts either combined with gel or not
Odour : Odourless
Colour : Variable in colour, depending on the composition

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9.2 Important health, safety and environmental information:

pH value	: N.D.	
Boiling point/boiling range	: N.D.	°C
Flashpoint	: N.D.	°C
Explosion limits	: N.D.	vol% (°C)
Vapour pressure (at 20°C)	: N.D.	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: N.D.	
Water solubility	: Insoluble	
Soluble in	: N.D.	
Relative vapour density	: N.D.	
Viscosity	: N.D.	Pa.s
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

9.3 Other information:

Melting point/melting range	: N.D.	°C
Auto-ignition point	: N.D.	°C
Saturation concentration	: N.D.	g/m ³

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

10.2 Materials to avoid:

- Keep away from: heat sources

10.3 Hazardous decomposition products:

- Thermal decomposition/combustion products may include, but are not limited to: carbon dioxide, carbon monoxide, hydrocarbons, hydrogen chloride and nitrogen- and sulphur oxides

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	: N.D.	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LC50 inhalation rat	: N.D.	mg/l/4 h
LC50 inhalation rat	: N.D.	ppm/4 h

11.2 Chronic toxicity:

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: not listed

Carcinogenicity (TLV)	: not listed
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed

Carcinogenicity (MAK)	: not listed
Mutagenicity (MAK)	: not listed
Teratogenicity (MAK)	: not listed

IARC classification	: not listed
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11.3 Routes of exposure: N.A.

11.4 Acute effects/symptoms:

- Unlikely to cause harmful effects

11.5 Chronic effects:

- Unlikely to cause harmful effects

12. Ecological information

12.1 Ecotoxicity:

- No data available

12.2 Mobility:

- **Volatile organic compounds (VOC):** N.D. %
- Insoluble in water

For other physicochemical properties see section 9

12.3 Persistence and degradability:

- **biodegradation BOD₅** : N.D. % ThOD
- **water** : N.D.
- **soil** : **T_{1/2}**: N.D. **days**

12.4 Bioaccumulative potential:

- **log P_{ow}** : N.D.
- **BCF** : N.D.

12.5 Other adverse effects:

- **WGK** : 1 (classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 07 02 99 (wastes not otherwise specified)

13.2 Disposal methods:

- Recycle/reuse
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber

13.3 Packaging:

- No data available

14. Transport information

- 14.1 Classification of the substance in compliance with UN Recommendations
 UN-number : -
 CLASS :
 SUB RISKS :
 PACKING :
 PROPER SHIPPING NAME :
- 14.2 ADR (transport by road)
 CLASS : NOT SUBJECT
 PACKING :
 DANGER LABEL TANKS :
 DANGER LABEL PACKAGES :
- 14.3 RID (transport by rail)
 CLASS : NOT SUBJECT
 PACKING :
 DANGER LABEL TANKS :
 DANGER LABEL PACKAGES :
- 14.4 ADNR (transport by inland waterways)
 CLASS : NOT SUBJECT
 PACKING :
 DANGER LABEL TANKS :
 DANGER LABEL PACKAGES :
- 14.5 IMDG (maritime transport)
 CLASS : NOT SUBJECT
 SUB RISKS :
 PACKING :
 MFIAG :
 EMS :
 MARINE POLLUTANT :
- 14.6 ICAO (air transport)
 CLASS : NOT SUBJECT
 SUB RISKS :
 PACKING :
 PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
 PACKING INSTRUCTIONS CARGO AIRCRAFT :
- 14.7 Special precautions in connection with transport : not restricted for any mode of international transport

15. Regulatory information

Labelling in accordance with directives 67/548/EEC and 1999/45/EC

NOT APPLICABLE

16. Other information

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
OES : Occupational Exposure Standards - United Kingdom
MEL : Maximum Exposure Limits - United Kingdom
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
TRK : Technische Richtkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - the Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - directive 2000/39/EC