

TIS420C

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

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

1.1 Product identifier

Product name: TIS420C

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

Identified uses: Silicone Elastomer

Uses advised against: For industrial use only.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Contact person : MomentiveEMEA.productsteward@momentive.com

Telephone : General information
00800.4321.1000 (Customer Service Centre)

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Emergency telephone number : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified

2.2 Label Elements : Not applicable
Additional Information: No data available.

2.3 Other hazards : No data available.

SECTION 3: Composition/information on ingredients

Chemical nature: Silicone sealant

3.2 Mixtures

General information: No hazardous ingredients.

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SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Move to fresh air.
Eye contact:	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Skin Contact:	After contact with skin, remove product mechanically. Wash area with soap and water.
Ingestion:	If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed:	Product may hydrolyse upon contact with body fluids in the gastrointestinal tract to produce additional methanol; therefore, consider the signs/symptoms of methanol poisoning and also observe the known latency period of several days!
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4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No data available.
Treatment:	If swallowed, do NOT induce vomiting. Give a glass of water. If swallowed, rinse mouth with water (only if the person is conscious). Product may hydrolyze upon contact with body fluids in the gastrointestinal tract to produce additional methanol. The potential for toxic effects due to methanol formation (eye damage and blindness, metabolic acidosis, dizziness and drowsiness, fetal toxicity, and liver, kidney, and heart muscle damage) should be recognized.

SECTION 5: Firefighting measures

General Fire Hazards:	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
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5.1 Extinguishing media

Suitable extinguishing media:	All standard extinguishing agents are suitable.
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Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
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5.2 Special hazards arising from the substance or mixture:

In case of fire, carbon monoxide and carbon dioxide may be formed.

5.3 Advice for firefighters

Special fire fighting procedures:	Product may charge electrostatically during pouring or filling. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
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Special protective equipment for fire-fighters:	Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

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- 6.1 Personal precautions, protective equipment and emergency procedures:** Provide adequate ventilation. Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Caution: Contaminated surfaces may be slippery.
- 6.2 Environmental Precautions:** Prevent runoff from entering drains, sewers, or streams.
- 6.3 Methods and material for containment and cleaning up:** Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.
- 6.4 Reference to other sections:** Remove sources of ignition.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Methanol is formed during processing. Wear appropriate personal protective equipment.
- Storage conditions:** Keep away from sources of ignition - No smoking. Store in original container.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in original tightly closed container. Keep in a cool, ventilated location far from heat source and flame Keep away from food, drink and animal feeding stuffs.
- Storage Stability:** Material is stable under normal conditions.
- 7.3 Specific end use(s):** No data available.

SECTION 8: Exposure controls/personal protection

**8.1 Control Parameters
 Occupational Exposure Limits**

Chemical name	Type	Exposure Limit Values	Source
Aluminum oxide - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Aluminum oxide - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values
 None.

- 8.2 Exposure controls
 Appropriate Engineering Controls:** Eye wash facilities and emergency shower must be available when handling this product. Observe good industrial hygiene practices.

Individual protection measures, such as personal protective equipment

- General information:** Wear suitable gloves and eye/face protection.
- Eye/face protection:** Safety glasses with side-shields conforming to EN166
- Skin protection
 Hand Protection:** Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
- Other:** Wear suitable protective clothing and eye/face protection. Wear suitable protective clothing.

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Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection mask with Filtertype ABEK
Hygiene measures:	Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat or drink.
Environmental exposure controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Gray
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	350 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	3,20 g/cm ³ (23 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	450 °C
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	300.000 mPa·s (23 °C)
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerisation does not occur. Avoid contact with: Moisture.
10.4 Conditions to avoid:	Keep away from heat, sparks and open flame.

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- 10.5 Incompatible Materials:** Moisture. Strong Acids, Strong Bases
- 10.6 Hazardous Decomposition Products:** Carbon oxides Oxides of silicon. Generates methanol during cure. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

General information: In serious cases absorption of methanol in the body may lead to damage to the eyesight.

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

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Carcinogenicity
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic Toxicity

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

12.2 Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

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12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods:

Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

14.6 Special precautions for user:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
Aluminum oxide	1344-28-1	90 - 100%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS:	Not in compliance with the inventory.	Remarks: None.
Canada DSL Inventory List:	Not in compliance with the inventory.	Remarks: None.
Japan (ENCS) List:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	Q (quantity restricted)	Remarks: Please contact your supplier for further information on the inventory status of this material.
Korea Existing Chemicals Inv. (KECI):	q (quantity restricted)	Remarks: (Quantity restricted)
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	Not in compliance with the inventory.	Remarks: None.
US TSCA Inventory:	Q (quantity restricted)	Remarks: None.
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

EU EINECS List: **TIS420C**
y (positive listing) Remarks: None.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3: none

Training information: No data available.

Issue Date: 12.08.2018

Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

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.

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