



SAFETY DATA SHEET

MATERION

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

1.1. Product identifier

| | |
|------------------------------|-------------------------|
| Name of the substance | Silicone oil |
| Identification number | 68083-14-7 (CAS number) |
| Registration number | - |
| Document number | 20G |
| Synonyms | None. |
| Materion Code | 20G |
| Issue date | 15-October-2020 |

1.3. Details of the supplier of the safety data sheet

Supplier

| | |
|-----------------------|---|
| Company name | Materion Advanced Chemicals Inc. |
| Address | 407 N. 13th Street 1316 W. St. Paul Avenue Milwaukee, WI 53233 United States |
| Division | Milwaukee |
| Telephone | 414.212.0257 |
| e-mail | advancedmaterials@materion.com |
| Contact person | Laura Hamilton |

1.4. Emergency telephone number

Version number 01

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

| | |
|-----------------------------|----------------|
| Identified uses | Not available. |
| Uses advised against | None known. |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard summary Not a dangerous substance according to GHS.

2.2. Label elements

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

| | |
|--------------------------|--|
| Contains: | Silicone oil |
| Hazard pictograms | None. |
| Signal word | None. |
| Hazard statements | The substance does not meet the criteria for classification. |

Precautionary statements

| | |
|-------------------|---|
| Prevention | |
| P270 | Do not eat, drink or smoke when using this product. |
| Response | |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |
| Storage | |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|------------------------|-----|------------------|------------------------|-----------|-------|
| Silicone oil | 100 | 68083-14-7 | - | - | |
| Classification: | - | | | | |

SECTION 4: First aid measures

General information Get medical attention if any discomfort continues.

4.1. Description of first aid measures

| | |
|---------------------|--|
| Inhalation | Move into fresh air and keep at rest. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician. |
| Skin contact | Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. |
| Eye contact | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. |
| Ingestion | Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Get medical advice/attention if you feel unwell. |

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

Not available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures. By heating and fire, harmful vapours/gases may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus.

Special firefighting procedures During fire, gases hazardous to health may be formed. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid inhalation of vapours and aerosol spray. Immediately evacuate personnel to safe areas.

For emergency responders Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Prevent entry into waterways, sewer, basements or confined areas. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

6.4. Reference to other sections

Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities Keep containers tightly closed.

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures Not available.
Derived no effect levels (DNELs) Not available.
Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required.
Eye/face protection Goggles/face shield are recommended.
Skin protection
- **Hand protection** Use protective gloves.
- **Other** It is a good industrial hygiene practice to minimise skin contact.
Respiratory protection If ventilation is insufficient, suitable respiratory protection must be provided.
Thermal hazards Not available.

Hygiene measures Not available.

Environmental exposure controls Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear. Liquid.
Physical state Solid.
Form Liquid.
Colour Colourless.
Odour None.
Odour threshold Not available.
pH Not available.
Melting point/freezing point -55 °C (-67 °F)
Initial boiling point and boiling range 315 °C (599 °F)
Flash point Not available.
Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits
Flammability limit - lower (%) Not available.
Flammability limit - upper (%) Not available.
Vapour pressure 47 hPa
Vapour density Not available.
Relative density Not available.
Solubility(ies)
Solubility (water) Not available.
Partition coefficient (n-octanol/water) Not available.

| | |
|----------------------------------|----------------|
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not available. |
| Oxidising properties | Not available. |

9.2. Other information

| | |
|----------------|------------------------|
| Density | 1,04 g/cm ³ |
|----------------|------------------------|

SECTION 10: Stability and reactivity

| | |
|---|--|
| 10.1. Reactivity | Strong oxidising agents. |
| 10.2. Chemical stability | Material is stable under normal conditions. |
| 10.3. Possibility of hazardous reactions | Not available. |
| 10.4. Conditions to avoid | Avoid contact with oxidising agents. Avoid heat, sparks, open flames and other ignition sources. |
| 10.5. Incompatible materials | Not available. |
| 10.6. Hazardous decomposition products | No dangerous reaction known under conditions of normal use. |

SECTION 11: Toxicological information

| | |
|----------------------------|----------------|
| General information | Not available. |
|----------------------------|----------------|

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | Health injuries are not known or expected under normal use. |
| Eye contact | Health injuries are not known or expected under normal use. |
| Ingestion | Not available. |

| | |
|-----------------|----------------|
| Symptoms | Not available. |
|-----------------|----------------|

11.1. Information on toxicological effects

| | |
|--|--------------------------------------|
| Acute toxicity | No data available. |
| Skin corrosion/irritation | Not available. |
| Serious eye damage/eye irritation | Not available. |
| Respiratory sensitisation | Not available. |
| Skin sensitisation | Not available. |
| Germ cell mutagenicity | Not available. |
| Carcinogenicity | IARC Not Listed. OSHA Not Regulated. |

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

| | |
|---|------------------------------|
| Reproductive toxicity | Not available. |
| Specific target organ toxicity - single exposure | Classification not possible. |
| Specific target organ toxicity - repeated exposure | Classification not possible. |
| Aspiration hazard | Not classified. |
| Mixture versus substance information | Not available. |
| Other information | Not available. |

SECTION 12: Ecological information

| | |
|--|---|
| 12.1. Toxicity | No toxicity data noted for the ingredient(s). |
| 12.2. Persistence and degradability | Not available. |
| 12.3. Bioaccumulative potential | Not available. |
| Partition coefficient n-octanol/water (log Kow) | Not available. |
| Bioconcentration factor (BCF) | Not available. |

| | |
|---|---|
| 12.4. Mobility in soil | Not available. |
| 12.5. Results of PBT and vPvB assessment | Not a PBT or vPvB substance or mixture. |
| 12.6. Other adverse effects | Not available. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|---|
| Residual waste | Not available. |
| Contaminated packaging | Do not re-use empty containers. |
| EU waste code | Not available. |
| Disposal methods/information | Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. |

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

National regulations Not available.**15.2. Chemical safety assessment** Not available.**SECTION 16: Other information****List of abbreviations** Not available.**References** Not available.**Training information** Not available.