SAFETY DATA SHEET

Safety data sheet prepared according European Union Commission regulation (EU) Nr. 2020/878.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

1.1.1 Commercial Product Name: InsuGel One.

1.1.2 Product codes (types): MBG0001G24 (1 kg), MBG0002G24 (300ml).

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

1.2.1 Recommended use: Silicone compound / Basic chemical product

1.3 Details of the supplier of the safety data sheet

1.3.1 Supplier: MOREK IT OÜ

Parnu mnt 160j, Tallin 11317

Estonia

General number: +372 6041 423

E-mail: morek@morek.ee

1.4. Emergency telephone number

1.4.1 Estonia Health Board, Poison Information Center +372 7943 794.

2. HAZARDS IDENTIFICATION

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

2.1 Classification of the substance or mixture (EC) No. 1272/2008 as amended:

Not classified

2.2 Label elements: Not applicable. The product does not require danger labelling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments

2.3 Other hazards: The substance has no persistence, bioaccumulation and toxicity (PBT) properties and is not very persistent and very bioaccumulative (vPvB). The substance does not have endocrine disrupting properties.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical nature: Polydimethylsiloxane containing vinyl groups, with Platinum catalyst.

3.2 Mixtures

The product does not contain substances classified as dangerous for health or the environment pursuant to the provisions of the Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities such as to require declaration.

4. FIRST AID MEASURES

Get medical attention if symptoms occur.

4.1 Description of first aid measures

Not specifically necessary. In any case, compliance with the rules of good industrial hygiene is recommended.

4.1.2 Inhalation

Move to fresh air. If symptoms persist, call a physician.

4.1.3 Skin contact

After contact with skin, remove product mechanically. If symptoms occur, call a physician.

4.1.4 Eye contact

Rinse immediately with plenty of water. Consult a physician.

4.1.5 Ingestion

DO NOT INDUCE VOMITING. Rinse mouth with water. Give a glass of water. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of immediate medical attention and special treatment needed

No information about adverse effects due to exposure.

5. FIREFIGHTING MEASURES

Use standard firefighting procedures and consider the hazards of other involved materials.

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

All standard extinguishing agents are suitable: carbon dioxide, foam, powder and nebulized water.

5.1.2 Extinguishing media which must not be used for safety reasons

None

5.2 Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE Avoid breathing combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION Cool the containers with jets of water to avoid decomposition of the product and the development of substances potentially dangerous to health. Always wear full fire protection equipment. Collect extinguishing water that must not be discharged into sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT Normal

clothing for fighting fire, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and boots for firefighters (HO A29 or A30).

5.4 Specific methods

In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

In case of vapours or dust dispersed in the air, wear respiratory protection. These indications are valid both for workers and for emergency interventions.

6.2 Environmental precautions

Do not allow runoff to sewer, waterway, or ground.

6.3 Methods and materials for containment and cleaning up

Dike with earth or inert material. Collect most of the material and eliminate the residue with jets of water. Disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4 Reference to other sections:

Any information regarding personal protection and disposal is reported in sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities

Keep product in clearly labeled containers. Store containers away from any incompatible materials, checking section 10.

7.3 Specific end use(s)

None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits:

None of the components have assigned exposure limits.

8.2 Exposure controls

Observe the usual safety measures when handling chemicals.

8.2.1 Appropriate engineering controls

Eyewash bottle with clean water. Use only in well – ventilated areas. Observe good industrial hygiene practices.

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.) are present, combined filters must be provided.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited. In the event that the substance considered is odourless or its olfactory threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a fresh air respirator (ref. standard EN 138). For the correct choice of respiratory protection device, refer to the EN 529 standard.

8.2.2.2 Hand protection

There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

8.2.2.3 Eye/face protection

Unnecessary.

8.2.2.4 Skin protection

Unnecessary.

8.2.2.5 Hygiene measures

Observe good industrial hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.

8.2.2.6 Environmental exposure controls

Emissions from production processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
9.1.1 Appearance	Viscous liquid
9.1.2 Color	Transparent
9.1.3 Odour	Odorless
9.1.4 Melting point/freezing point	-
9.1.5 Initial boiling point and boiling range	-
9.1.6 Flammability	non-flammability
9.1.7 Flash point	> 200 °C
9.1.8 Explosive properties	
9.1.8.1 Lower explosion limit	-
9.1.8.2 Upper explosion limit	-
9.1.9 Vapor pressure	-
9.1.10 Vapor density (air=1)	-
9.1.11 Density	-
9.1.12 Solubility(ies)	-
9.1.12.1 Water solubility	Insoluble
9.1.12.2 Fat solubility (solvent /oil to be specified)	Insoluble -
9.1.13 Partition coefficient: n-octanol/water	-
9.1.14 Auto-ignition temperature	> 400 °C
9.1.15 Decomposition temperature	> 200 °C
9.1.16 Viscosity, kinematic	
9.1.17 Dynamic viscosity	-
9.1.18 Explosive properties	650000mPa·s (23ºC)
9.1.19 Oxidizing properties	-

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

10.2 Chemical stability

Stable under normal conditions of use and storage

10.3 Possibility of hazardous reactions

Under normal conditions of use and storage, dangerous reactions are not foreseeable.

10.4 Conditions to avoid

None under normal conditions. However, follow the usual precautions regarding chemical products

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

Information not available.

11. TOXICOLOGICAL INFORMATION

11.1. **Information on the hazard classes defined in Regulation (EC) no. 1272/2008**

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and chronic effects resulting from short- and long-term exposures

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

It does not meet the classification criteria for this hazard class

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

It does not meet the classification criteria for this hazard class

MUTAGENICITY ON GERM CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

It does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under evaluation.

12. ECOLOGICAL INFORMATION

Use according to good working practices, avoiding dispersing the product into the environment. Notify the competent authorities if the product has reached waterways or if it has contaminated soil or vegetation

12.1 Toxicity

Information not available

12.2 Persistence and Degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB

Substance has no persistence, bioaccumulation and toxicity (PBT) properties and is not very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

Based on available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment being evaluated.

12.7 Other adverse effects

Information not available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse if possible. Residues of the product as such are to be considered non-hazardous special waste. Disposal must be entrusted to a company authorized to manage waste, in compliance with national legislation and possibly local.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

ADR, ADN, RID, IMDG, IATA – Not regulated.

14.1. UN number or ID number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard classes

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk in accordance with IMO acts Information

Not relevant.

15. REGULATORY INFORMATION

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

EU Regulations:

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

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

Substances in Candidate List (Art. 59 REACH):

Based on available data, the product does not contain SVHC substances in percentages 0.1%.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction relating to the product or substances contained: none

Regulation (EU) 2019/1148 - relating to the placing on the market and use of explosives precursors: Not applicable

Directive 2012/18/EU: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

16. OTHER INFORMATION

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road
- CAS: Chemical Abstract Service Number
- CE: Identification number in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration that gives effect to 50% of the population subject to testing
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the Classification and Labeling of Chemical Products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of CLP - LC50: Lethalconcentration 50% - LD50: Lethal dose 50%

-OEL: Occupational exposure level - PBT: Persistent, bioaccumulating and toxic according to REACH - PEC: Predictable environmental concentration - PEL: Predictable exposure level - PNEC: Predictable no-effect concentration - REACH: Regulation (EC) 1907/2006

-RID: Regulation for the international transport of dangerousgoods by train - STA: Acute Toxicity Estimate - TLV: Threshold limit value - TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.

-TWA: Weighted average exposure limit - TWA STEL: Short-term exposure limit - VOC: Volatile organic compound - vPvB: Very persistent and very bioaccumulating according to REACH - WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY: 1.

Regulation (EC) 1907/2006 of the European Parliament (REACH)

2.Regulation (EC) 1272/2008 of the European Parliament (CLP)

3.Regulation (EU) 2020/878 (Annex II of the REACH Regulation)

4.Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)

5.Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)

6.Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)

7.Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)

8.Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)

9.Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)

10.Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)

11.Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)

12.Regulation (EU) 2016/1179 (IX Atp. CLP)

13.Regulation (EU) 2017/776 (X Atp. CLP)

14.Regulation (EU) 2018/669 (XI Atp. CLP)

15.Regulation (EU) 2019/521 (XII Atp. CLP)

16.Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)17. Regulation (EU) 2019/1148 18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)

19.Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)

20.Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)

21.Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)

22.Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)

METHODS OF CALCULATION OF THE CLASSIFICATION

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods of evaluation of the chemical-physical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 3, unless otherwise indicated in section 11.
Environmental hazards: The classification of the product is based on the calculation methods set out in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Reserved for industrial and professional use only. USE ONLY FOR ITS INTENDED PURPOSE. Unless otherwise specified in section 1.2 Products are intended for industrial application only. Product is not intended for specific medical applications.

NOTE: The information contained in this safety data sheet is considered to be correct at the time of the publication of the information. 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 is for specific substance only and may not be available if this material is used with other materials or used differently from the one indicated on this sheet. MOREK IT OÜ does not assume any liability for accidents or accidents caused by incorrect use, operation or recommended non-compliance.

Changes and additions compared to the previous revision have been made to the following sections: 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.