

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: DODECAMETHYLPENTASILOXANE

Product Number: SDF-2.0

CAS No. 141-63-9

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

Industrial.

Intermediate chemical

1.3 Details of the supplier of the safety data sheet

Manufactured/Supplied by Silsource Inc.

ADDRESS: 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6

CHEMICAL EMERGENCY ONLY (PHONE): CANUTEC (613) 996-6666 [24 Hr.]

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified

2.2 Label elements

No labelling applicable

2.3 Other hazards: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

EC-No.	CAS No.	Material	Content %
205-492-2	141-63-9	DODECAMETHYLPENTASILOXANE	99 Min.

3.2 Mixtures

Not Relevant

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If symptoms persist, call a physician.

In case of eye contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water. Obtain medical attention.

In case of skin contact

Wash skin with plenty of water

If swallowed

Give several small portions of water to drink. Do not induce vomiting. Call a poison control centre or a doctor if you feel unwell.

If inhaled

Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide (CO₂). Sand.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

5.4 Further information

Use water spray to cool unopened containers and move containers from fire area if you able to do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel, Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Keep unprotected persons away. Avoid dust formation. Do not breathe dust.

For emergency responders, Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment. Avoid direct discharge into drains.

6.3 Methods and materials for containment and cleaning up

Absorb remaining liquid with sand or inert absorbent and remove to safe place. Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures:

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from sources of ignition and do not smoke.

Advice on general occupational hygiene:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Protect against moisture. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Please pay attention to incompatibilities materials and conditions to avoid.

7.3 Specific end uses

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Romania OEL TWA(mg/m³): 200 mg/m³(oil)

Romania OEL STEL(mg/m³): 300 mg/m³(oil)

8.2 Engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

8.3 Environmental exposure controls

Prevent material from entering surface waters and soil.

8.4 Personal protection equipment

General requirement: General Ventilation is recommended, appropriate respiration protection should be worn.

Eye protection: Safety glasses

Hand protection: Protective gloves, rubber gloves

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Skin and body protection: Wear suitable protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State Viscous Liquid

Odour characteristic odour

Boiling point Not determined

Flash point 85°C [closed cup]

Freezing/Melting Point Not determined

Ignition Temperature Not determined

Explosion Limits: Lower Not determined

Explosion Limits: Upper Not determined

Vapor pressure: Not determined

Solubility in water: reacts rapidly

Viscosity, dynamic(mm²/s) 4.5-5.5

Specific Gravity/Density 0.92-0.93 g/cm³ at 25°C

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under proper operation and storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Oxidizing material can cause a reaction.

10.5 Incompatible materials

Not available

10.6 Hazardous decomposition products

Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	LD50(oral, rat): > 24 g/kg
Skin corrosion/irritation	Not classified pH: No data available
Serious eye damage / eye irritation	Not classified pH: No data available

Skin sensitization	No data available
Respiratory sensitization	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity(additional)	No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Acute aquatic toxicity

No data available.

12.2 Chronic aquatic toxicity

No data available.

12.3 Persistence and degradability

No data available.

12.4 Bioaccumulative potential

No data available.

12.5 Mobility in soil

No data available.

12.6 Results of PBT and vPvB assessment

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal considerations

Waste chemicals: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID:

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: -

14.6 Special precautions for user

Read safety instructions, SDS and emergency procedures before handling

**Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC Code**

This product is not intended to be transported in Bulk

SECTION 15: REGULATORY INFORMATION

International Inventories

Country(s) or Region	Inventory name	On Inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Korea	Existing and Evaluated Chemicals List (KECI)	Yes
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No

Component	A	B	C	D	E	F	G
DODECAMETHYLPENTASILOXANE	×	×	×	✓	✓	✓	×

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

[B] Substances requiring authorisation under EU REACH regulation

[C] Substances restricted under EU REACH

[D] Pre-registered substances under EU REACH

[E] Registered substances under EU REACH

[F] Substance Evaluation – CoRAP under EU REACH

[G] List of priority substances under EU water policy (Directive 2455/2001/EC)

*A "Yes" indicates that the substance is included in the regulations

A "No" indicates that there is no data or not included in regulations

SECTION 16: OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use.

This SDS was prepared sincerely on the basis of the information we could obtain, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

This SDS is compliant with the GHS requirements outlined at
http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html

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