

Safety Data Sheet

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

- 1.1 **Product identifier** : 0011680008
 1.2 **Trade name** : GEL FORCE BLEU
 1.3 **Relevant identified uses of the substance or mixture and uses advised against:**
 1.3.1. Relevant identified uses: Isolation of electrical or electronic material.
 1.3.2. Uses advised against: No data available
 1.4 **Company Identification** :
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2. HAZARDS IDENTIFICATION

- 2.1 **Classification of the mixture:**
 The product has not been classified as hazardous according to the legislation in force.
 2.1.1 Classification according to Regulation (EC) No 1272/2008 as amended. Not classified
 2.2 **Label elements:**
 Not applicable
 Hazard summary
 Physical Hazards: No specific recommendations.
 Health Hazards
 Inhalation: Not applicable
 Eye contact: No specific symptoms noted.
 Skin Contact: No specific symptoms noted.
 Ingestion: No specific symptoms noted.
 Other Health Effects: No other information noted.
 Environmental Hazards: Not regarded as dangerous for the environment.
 2.3 **Other hazards:**
 Chemical compounds containing silicon - hydrogen bonds (SiH).
 Meets vPvB criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:
 Cross linked Elastomer. The product is supplied already cured. In the table below the percent concentrations of impurity, not intentionally added, are referred to the raw materials before crosslinking. The residual content of these impurity in the final cured product is expected to be below 0,1%.
 3.2 Mixtures: The mixture contains these substances:

Chemical name	Concentration*	Type	CAS-No.	EC No.	REACH	Chemical name
Dodecamethylcyclohexasiloxane	0,1 - <1%	Impurities	540-97-6	208-762-8	Not relevant.	vPvB

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

3.2 Classification:

Chemical name	Classification	M-Factor:	Notes
Dodecamethylcyclohexasiloxane	No data available.	None.	No data available.

4. FIRST AID MEASURES

- 4.1 **Description of first aid measures:**
 In case of respiratory exposure: Not relevant.
 In case of skin contamination: Remove contaminated clothing and shoes. Wash with soap and water
 In case of intrusion into eye: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
 In case of oral intake: Do not induce vomiting. Rinse mouth thoroughly.
 4.2 **Most important symptoms and effects, both acute and delayed:** No data available.
 4.3 **Indication of any immediate medical attention and special treatment needed:** No data available.

5. FIREFIGHTING MEASURES

General Fire Hazards: No specific recommendations.

5.1 **Extinguishing media:**

Suitable extinguishing media: Foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: No data available.

5.2 **Special hazards arising from the substance or mixture:** No data available. For further information, refer to section 10: "Stability and Reactivity".

5.3 **Advice for firefighters:** Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.

For emergency responders: No data available.

6.2 **Environmental precautions:** Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.

6.3 **Methods and material for containment and cleaning up:** To clean the floor and all objects contaminated by this material, use an appropriate solvent. (cf. : § 9) Flush area with plenty of water.

6.4 Reference to other sections: Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling: For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities: Keep away from incompatible materials, open flames, and high temperatures

7.3 Specific end use(s): No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: None of the components have assigned exposure limits

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: No data available.

8.2.2 In Individual protection measures, such as personal protective equipment:

8.2.2.1 Eye/face protection: Safety Glasses.

8.2.2.2 Skin protection:

Hand protection: Material:

his recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes. In case this product will be mixed with other substances, you need to contact a supplier of CE approved protective gloves in order to determine the appropriate gloves.

Prolonged or repeated contact: Material: Nitrile.

Glove thickness: 1,25 mm Guideline: EN374-3

Short contact:

Material: Nitrile / Neoprene Glove thickness: 0,198 mm Guideline: EN374-3.

Other: It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

8.2.2.3 Respiratory protection: No specific precautions.

8.2.2.4 Thermal hazards: No specific precautions.

8.2.3 Environmental exposure controls: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Physical state: Liquid Form: Viscous Color: Blue
Odour:	Odorless
Odour threshold:	-
pH:	-
Melting point/freezing point :	-
Initial boiling point and boiling range:	-
Flash point:	200 °C (Closed Cup)
Evaporation rate:	-
Flammability (solid, gas):	-
Upper/lower flammability or explosive limits:	-
Vapour pressure:	< 0,1 hPa (20 °C)
Vapour density:	-
Relative density:	Approximate 0.96 kg/dm ³ (23 °C)
Solubility(ies):	Solubility in Water: Insoluble Solubility (other): Diethylether: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Acetone: Very slightly soluble Ethanol: Very slightly soluble
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature:	> 400 °C
Decomposition temperature:	-
Viscosity:	40 mm ² /s (Approximate 20 °C)
Explosive properties:	-
Oxidising properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available.

10.2 Chemical stability: The product is stable under normal conditions.

10.3 Possibility of hazardous reactions: No data available.

10.4 Conditions to avoid: No data available.

10.5 Incompatible materials: No data available.

10.6 Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).

Ingestion: No effects expected (assessment based on ingredients).

Skin Contact: No effects expected (assessment based on ingredients).

Eye contact: No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects:

Acute toxicity:

Oral

Product:

Dermal

Not classified for acute toxicity based on available data.

Product:	Not classified for acute toxicity based on available data.
Inhalation	
Product:	Composition/information on ingredients
Repeated dose toxicity	
Product:	Based on our knowledge of the composition information: DODECAMETHYLCYCLOHEXASILOXANE (540-97-6): NOAEL: 1 000 mg/kg ; (Rat ; Female, Male ; Oral) ; Method: OECD 422 ; Subacute exposure NOAEL: 0,0182 mg/l ; (Rat ; Female, Male ; Inhalation - vapour) ; Method: OECD 413 ; Subchronic exposure.
	Composition/information on ingredients
Skin Corrosion/Irritation	
Product:	OECD 404 (Rabbit) : Not irritating
Specified substance(s):	
Dodecamethylcyclohexasiloxane	Composition/information on ingredients
Serious Eye Damage/Eye Irritation	
Product:	OECD 405 (Rabbit) : Not irritating
Specified substance(s):	
Dodecamethylcyclohexasiloxane	Composition/information on ingredients
Respiratory or Skin Sensitization:	
Product:	OECD 406 (Guinea Pig) : Not a skin sensitizer.
Specified substance(s):	
Dodecamethylcyclohexasiloxane	Composition/information on ingredients
Germ Cell Mutagenicity:	
In vitro:	
Product:	Mouse lymphoma cells (OECD 476): negative with and without metabolic activation Bacteria (OECD 471): negative with and without metabolic activation
Specified substance(s)	Composition/information on ingredients
Dodecamethylcyclohexasiloxane	Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic effects.
In vivo:	
Product:	No data available
Specified substance(s):	Composition/information on ingredients
Dodecamethylcyclohexasiloxane	Based on available data, the classification criteria are not met.
Carcinogenicity:	
Product:	Composition/information on ingredients
Reproductive toxicity:	
Product:	Reproduction/developmental toxicity screening test. Rat (Gavage (Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg NOAEL (F2): Method: OECD 422
Specified substance(s)	Composition/information on ingredients
Dodecamethylcyclohexasiloxane	Composition/information on ingredients
Reproductive toxicity (Fertility):	
Product:	Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414
Specified substance(s):	
Dodecamethylcyclohexasiloxane	No data available.
Developmental toxicity (Teratogenicity)	
Product	Based on available data, the classification criteria are not met.
Specified substance(s):	
Dodecamethylcyclohexasiloxane	No data available.
Specific Target Organ Toxicity - Single Exposure:	
Product:	Based on available data, the classification criteria are not met.
Specified substance(s):	
Dodecamethylcyclohexasiloxane	No data available.
Specific Target Organ Toxicity - Repeated Exposure:	
Product:	Based on available data, the classification criteria are not met.
Specified substance(s):	
Dodecamethylcyclohexasiloxane	No data available.
Aspiration Hazard:	
Product:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Acute toxicity

Dodecamethylcyclohexasiloxane): LC 50 (Oncorhynchus mykiss; 96 h ; Flow through) : > 0,016 mg/l ; Method: OECD 204 ; No toxicity at the limit of solubility

Aquatic Invertebrates:

Dodecamethylcyclohexasiloxane : EC 50 (Water flea (Daphnia magna); 48 h ; Flow through) : > 0,0029 mg/l ; Method: OECD 202 ; No toxicity at the limit of solubility

Toxicity to Aquatic Plants:

Dodecamethylcyclohexasiloxane: NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 0,002 mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 0,002 mg/l

12.2 Persistence and degradability:

Dodecamethylcyclohexasiloxane e 4,5 % (28 d, OECD 310) The product is not readily biodegradable

12.3 Bioaccumulative potential:

Dodecamethylcyclohexasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 2 860 (OECD 305) Has the potential to bioaccumulate.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment:

Dodecamethylcyclohexasiloxane Meets vPvB criteria REACH (1907/2006) A_x XIII

12.6 Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods/Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site

14. TRANSPORT INFORMATION

- 14.1 **UN number:** No data available.
 14.2 **UN proper shipping name:** No data available.
 14.3 **Transport hazard class(es):** No data available.
 14.4 **Packing group:** No data available.
 14.5 **Environmental hazards:** No data available.
 14.6 **Special precautions for user:** No data available.
 14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** No data available.

15. REGULATORY INFORMATION

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

The substances in the mixture are not subject to authorisation under Title VII or restrictions under Title VIII of Regulation (EC) No. 1907/2006. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC;
 Regulation (EC) No 1272/2008 of the European parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;
 COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH);
 DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations;
 COUNCIL DIRECTIVE of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (67/548/EEC).

- 15.2 **Chemical safety assessment:** Chemical safety assessment is not available.

16. OTHER INFORMATION

List of relevant risk phrases and hazard statements:

Instructions for the training: Product handling instruction shall be included into the educational system about the safety work (initial training, training at the workplace, repeated training) according to specific conditions at the workplace.

Recommended restrictions on use (i.e. non-statutory recommendations by supplier):

Mixture should not be used for any other purpose than for which is appointed (point 1.2). Because of the fact that specific conditions of use of mixture are out of supplier's control, it is responsibility of the user to adjust the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and it cannot be considered as technical information about product.

Sources of key data used to compile the Safety Data Sheet:

SDS was elaborated according to requirements set in Annex II of Regulation (EC) No 1907/2006 of the European Parliament and of the Council. SDS was prepared using data from the producer.

Purpose of SDS:

Purpose of this SDS is to provide relevant information for users of product to ensure proper handling and control of risks/hazards.

References:

PBT: persistent, bioaccumulative and toxic substance.
 vPvB: very persistent and very bioaccumulative substance.

Wording of the H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.

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