

SAFETY DATA SHEET

Classified in accordance with ABNT NBR 14725-2

1. Identification

1.1 Product identifier:

Product name: BLUESIL FLD 621 V 350 L1

Product No.: PRCO90061413

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

Identified uses: Manufacturing intermediates.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Elkem Silicones Do Brasil Ltda.
Rua Dona Francisca, 8300 – Bloco D – Módulos 4 e 5
Condomínio Perini Business Park – Zona Industrial Norte
CEP 89219-600 – Joinville – SC
BRAZIL

Telephone: +55 (47) 3130-5200

E-mail: product.stewardship@elkem.com

Supplier:

Elkem Silicones Do Brasil Ltda.
Rua Dona Francisca, 8300 – Bloco D – Módulos 4 e 5
Condomínio Perini Business Park – Zona Industrial Norte
CEP 89219-600 – Joinville – SC
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Telephone: +55 (47) 3130-5200

Supplier:

Elkem Silicones Do Brasil Ltda.
Avenida Duquesa de Goiás, 716 – 2º andar
CEP 05686-002 – São Paulo – SP
BRAZIL

Telephone: +55 (11) 4382-6880

E-mail: product.stewardship@elkem.com

1.4 Emergency telephone number:

SUATRANS: 0800 707 7022 / 0800 17 2020 (Atendimento 24 horas)

2. Hazard identification

2.1 Classification of the substance or mixture:

Chemical is not classified as dangerous according to ABNT NBR 14725-2.

Hazard Classification: Not classified

2.2 Label Elements:

Hazard pictograms:	No symbol
Signal Word:	No signal word
Hazard statements:	Not applicable
Precautionary Statements:	Not applicable

2.3 Other hazards which do not result in GHS classification:

No data available.

3. Composition/information on ingredients

Substances:

General information:

Polyorganosiloxane.

Chemical name: alpha,omega-divinylpolydimethylsiloxane

CAS-No.: 68083-19-2

4. First-aid measures

General information:

For further information refer to section 8 "Exposure-controls/personal protection".

4.1 Description of first aid measures:

Inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact:

Wash skin with soap and water. Get medical attention if symptoms occur.

Eye contact:

In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if symptoms occur.

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

Personal Protection for First-aid Responders:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Refer to sections 5 and 8 for information on emergency procedures and protective equipment.

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

Any important symptoms and effects are described in Section 11 (Toxicological information) of this SDS.

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

Notes to the physician:

No specific recommendations.

5. Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Product will burn under fire conditions. Thermal decomposition or combustion may liberate carbon oxides, silicon oxides and other toxic gases or vapors.

5.3 Advice for firefighters:

Special fire-fighting procedures:

Use standard firefighting procedures and consider the hazards of other involved materials. Remove undamaged containers from fire area if it is safe to do so. Evacuate to a safe location and contact the emergency services. Water spray should be used to cool containers.

Special protective equipment for fire-fighters:

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Follow safe handling advice and personal protective equipment recommendations. Caution: Contaminated surfaces may be slippery.

6.1.2 For emergency responders:

No specific recommendations.

6.2 Environmental Precautions:

Do not release into the environment. Do not discharge into drains, water courses or onto the ground. Collect spillage. Use containment for a large spill. Notify relevant authorities if this material is released to the environment.

6.3 Methods and material for containment and cleaning up:

Absorb with sand or other inert absorbent and place into containers.

Please observe the important information mentioned in the other sections. In particular, information on exposure controls/personal protection and disposal considerations can be found under sections 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling:

Precautions:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. In case of spills, beware of slippery floors and surfaces.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local/regional/national regulations. Store in tightly closed original container in a dry and cool place.

8. Exposure controls/personal protection**8.1 Control Parameters:****Occupational Exposure Limits:**

None of the components have assigned exposure limits.

8.2 Exposure controls:**Appropriate Engineering Controls:**

Use engineering controls to reduce air contamination to permissible exposure level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Provide sufficient ventilation during operations which cause vapor formation. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

Eye/face protection:	Safety glasses with side shields
Hand Protection:	Protective gloves are recommended.
Skin and Body Protection:	No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
Respiratory Protection:	No protection is ordinarily required under normal conditions of use and with adequate ventilation.
Thermal hazards:	No specific recommendations.

Environmental Controls:

See sections 7 and 13 of the Safety Data Sheet.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties:****Appearance:**

Physical state:	Liquid
Form:	Viscous
Color:	Colorless
Odor:	Odorless
pH:	Not applicable
Melting point/freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 250 °C (Closed Cup)
Flammability:	No data available.

Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 0.1 hPa (20 °C)
Relative vapor density:	No data available.
Evaporation Rate:	No data available.
Density:	Approximate 0.97 kg/dm ³ (20 °C)
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Acetone: Very slightly soluble Ethanol: Very slightly soluble Diethylether: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	Approximate 350 mm ² /s (25 °C)

9.2 Other information:

Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)
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10. Stability and reactivity

10.1 Reactivity:

No other information noted.

10.2 Chemical Stability:

Stable

10.3 Possibility of hazardous reactions:

Will not occur.

10.4 Conditions to avoid:

No other information noted.

10.5 Incompatible Materials:

Strong oxidizing agents.

10.6 Hazardous Decomposition Products:

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

Not classified for acute toxicity based on available data.

Dermal:

Not classified for acute toxicity based on available data.

Inhalation:

Not classified for acute toxicity based on available data.

Repeated dose toxicity:

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory or Skin Sensitization:

No data available.

Germ Cell Mutagenicity:**In vitro:**

No data available.

In vivo:

No data available.

Carcinogenicity:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

Reproductive toxicity:

Fertility: No data available.

Teratogenicity: No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

12. Ecological information

12.1 Ecotoxicity:

Acute toxicity:

Fish: No data available.

Aquatic Invertebrates: No data available.

Aquatic plants: No data available.

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: No data available.

Aquatic Invertebrates: No data available.

12.2 Persistence and Degradability:

Stability in water: No data available.

Biodegradation: No data available.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF): No data available.

Partition coefficient (n-octanol/water): No data available.

12.4 Mobility in soil:

No data available.

12.5 Other adverse effects:

No data available.

13. Disposal considerations

13.1 Waste treatment methods:

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

Disposal methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate or landfill.

The treatment and disposal must be evaluated specifically for each product. Federal, state, and municipal laws should be consulted, among these: Law No. 12.305 of August 2, 2010 (National Solid Waste Policy). Keep the residual of the product in its original and properly closed packaging. Disposal must be performed as established for the product.

Contaminated Packaging:

Contaminated packages should be as empty as possible. Recycle following cleaning or dispose of at an authorised site. Packaging that cannot be cleaned should be disposed of in the same way as the product it contained.

14. Transport information**ANTT**

Not regulated.

IMDG / IMO

Not regulated.

IATA

Not regulated.

15. Regulatory information**Chemical regulations:**

Federal Decree No. 2657 of July 3, 1998.

Standard ABNT-NBR 14725 - Part 4: 2014.

Ordinance No. 229 of May 24, 2011 - Amends the Regulator No.26 (Ministry of Economy).

Safety, health and environmental regulations specific for the product in question:**Brazil. List of Products Controlled by the Army (Ordinance 118, Annex 1, Sections 1 - 9):**

Not applicable

Brazil. Chemical Products Controlled by the Federal Police (Ordinance No. 204/2022):

Not applicable

Inventory Status:

Australia Industrial Chem. Act (AIC):	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
Thailand DIW Existing Chemical Inv. List:	On or in compliance with the inventory.
Vietnam National Chemical Inventory:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

16. Other Information

Issue Date: 16.05.2023

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

BEI: Biological Exposure Indices

BCF: Bioconcentration Factor
BOD: Biochemical Oxygen Demand
CAS: Chemical Abstracts Service
C: Ceiling
EC50: Effective Concentration 50%
ECr50: Effective Concentration 50% in terms of growth rate reduction
LC50: Lethal Concentration 50%
CONAMA: National Council for the Environment
LD50: Lethal Dose 50%
ERPG: Emergency Response Planning Guidelines
IARC: International Agency for Research on Cancer
HSDB: Hazardous Substances Data Bank
IBMP: Maximum Allowable Biological Index
IDLH: Immediately Dangerous to Life or Health
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
TL: Tolerance Limit
NIOSH: National Institute for Occupational Safety and Health
NS: Regulatory Standard
OSHA: Occupational Safety & Health Administration
PBT: Persistent, Bioaccumulative and Toxic substance
PVC: Polyvinyl chloride
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
SCBA: Self Contained Breathing Apparatus
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TWA: Time Weighted Average
VOC: Volatile Organic Compounds
vPvB : very Persistent and very Bioaccumulative substance

Key literature references and sources for data:

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS. TLVs® AND BEIs®: based on the documentation of occupational exposure limits (TLVs®) for chemical substances and physical agents & biological exposure indices (BEIs®). Translation Associação Brasileira de Higienistas Ocupacional. São Paulo, 2022.

ECHA - EUROPEAN CHEMICAL AGENCY. Available at: <<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>>. Accessed on: Jan. 2022

US EPA. 2011. EPI Suite™ for Microsoft® Windows, v 4.10. United States: Environmental Protection Agency, Washington. 2011. Available at: <<http://www.epa.gov/oppt/exposure/pubs/episuite.htm>>. Accessed on: Jan. 2022

GESTIS Substance database - Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA). Available at: <[http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates\\$fn=default.htm\\$3.0](http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates$fn=default.htm$3.0)> Accessed on: Jan. 2022

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). 4. rev. ed. New York: United Nations, 2011.

HSDB - HAZARDOUS SUBSTANCES DATA BANK. Available at: <<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>>. Accessed on: Jan. 2022

IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER. Available at: <<http://monographs.iarc.fr/ENG/Classification/index.php>>. Accessed on: Jan. 2022

IPCS - INTERNATIONAL PROGRAM ON CHEMICAL SAFETY – INCHEM. Available at: <<http://www.inchem.org/>>. Accessed on: Jan. 2022.

IUCLID - INTERNATIONAL UNIFORM CHEMICAL INFORMATION DATABASE. [S.I.]: European chemical Bureau. Available at: <<http://ecb.jrc.ec.europa.eu>>. Accessed on: Jan. 2022

MINISTRY OF LABOUR AND EMPLOYMENT (MTE). Regulatory Standard (NR) n°7: Occupational health medical control program. Brasilia, DF. Jun. 1978.

MINISTRY OF LABOUR AND EMPLOYMENT (MTE). Regulatory Standard (NR) no. 15: Unhealthy activities and operations. Brasilia, DF. Jun. 19

NIOSH - NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available at: <<http://www.cdc.gov/niosh/>>. Accessed on: Jan. 2022.

NITE-GHS JAPAN - NATIONAL INSTITUTE OF TECHNOLOGY AND EVALUATION. Available at: <http://www.safe.nite.go.jp/english/ghs_index.html>. Accessed on: Jan. 2022.

TOXNET - TOXICOLOGY DATA NETWORKING. ChemIDplus Lite. Available at: <<http://chem.sis.nlm.nih.gov/>>. Accessed on: Jan. 2022.