

BLUESTAR SILICONES

BLUESTAR SILICONES HONG KONG
29/F, 88 HING FAT STREET - CAUSEWAY
HONG KONG
HONG KONG

Site
BLUESTAR SILICONES FRANCE
1455 AVENUE DES FRERES PERRET
69190 ST PONS
FRANCE
+33 472737475

Certificate of analysis	
Date	20.01.2016
Purchase order Item/Date	TT-151229-1 / 29.12.2015
Delivery item/Date	81160529 900002 / 04.03.2016
Order item/Date	820211 000010
Customer	3005606
Truck number/Seal number	/

Material: Our / Your reference
12885 BLUESIL FLD 47V1 000 IBC 1000KG - SILICONE FLUID /

The dispatched material conforms to agreed requirements.

Batch 5506611 /manufacturing date 11.12.2015/Expiry date 10.12.2018
Quantity 9,000 KG

Characteristic	Unit	Value	Limit Lower	Limit upper
Volatile matters (150°C-1g-2H) NM 080	%	0.07		0.50
Kinematics viscosity at 25°C NM 095	mm2/s	990	950	1050
Smell NM 854		Nul to slight	-	-
Physical state NM 692		Liquid	-	-
Presence of foreign matters NM 692		No	-	-

batch released on :15.12.2015 ;
Magali DAVEZAC, Quality Control Manager +33 472 736 675
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**BLUESTAR
SILICONES****SAFETY DATA SHEET****1 PRODUCT AND COMPANY IDENTIFICATION**

Product name: BLUESIL FLD 47V1 000

Synonyms, Trade Names:
RHODORSIL HUILE 47 V 1000

Additional identification:

Chemical name: Siloxanes and Silicones, di-Me
CAS-No.: 63148-62-9

Recommended use: Lubricant
Mould releasing agent.
Isolation of electrical or electronic material.
Thermostatic resistance.

Limitations on use: None known.

Manufacturer:

BLUESTAR SILICONES Usines Rhône-Alpes
1-55 rue des Frères PERRET
F-69 192 SAINT FONS Cedex

Telephone: +33 (0) 4 72 73 74 75
Fax: +33 (0) 4 72 73 75 99

e-mail: fds.sil@bluestarsilicones.com

Supplier:

Bluestar Silicones Shanghai Co., Ltd.
3966 Jin Du Road, Xinzhuang Industrial Zone
CH-201108 Shanghai

Telephone: + 86 21 5442 6600
Fax: + 86 21 5442 3733

Emergency telephone number: + 86 21 6267 9090

2 HAZARDS IDENTIFICATION

GHS classification:

Hazard summary:

Physical hazards: No specific recommendations.

Health hazards:

Inhalation: No specific symptoms noted.

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.

GHS label elements:

Not Applicable

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

General information:

Chemical name: Siloxanes and Silicones, di-Me
CAS-No.: 63148-62-9
Purity:
Synonyms:

4 FIRST AID MEASURES

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

Inhalation: Not relevant.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin contact: Remove contaminated clothing and shoes. Wash contact areas with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

Expected acute symptoms and delayed symptoms: None known.

Notes to the physician: No specific recommendations.

5 FIRE-FIGHTING MEASURES

General fire hazards: No specific recommendations.

Extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Extinguishing media to avoid: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards: Combustible.

Special fire fighting procedures: Water spray should be used to cool containers.

Protection of fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions: Do not discharge into drains, water courses or onto the ground. Collect spillage. For a large spillage, contain the spillage by bunding.

Clean-up methods and materials and containment measures:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

Prevention of secondary hazards:

Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

7 HANDLING AND STORAGE**Handling:**

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.

Storage:

Avoid discharge into drains, water courses or onto the ground. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Avoid contact with oxidizing agents. Suitable containers: Steel drums coated with epoxy-resin.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures:**

No specific recommendations.

Exposure limits:

None of the components have assigned exposure limits.

Personal protective equipment (ppe):**General information:**

No specific precautions.

Respiratory Protection:

If ventilation is insufficient, suitable respiratory protection must be provided.

Eye protection:

Safety Glasses

Hand protection:

Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC).

Skin protection:

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

Hygiene measures:

Provide eyewash station and safety shower.

9 PHYSICAL AND CHEMICAL PROPERTIES**Appearance:****Physical State:**

Liquid

Form:

Viscous.

Color:

Colourless.

Odor:

Odorless

Odor Threshold:

No data available.

pH:

Not applicable

Freezing point:

-50 °C Approximate

Boiling Point:

No data available.

Flash Point:

280 °C (Closed cup according to method Afnor T 60103.)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%)-:

No data available.

Flammability Limit - Lower (%)-:

No data available.

Vapor pressure:	< 0.1 hPa (20 °C)
Vapor density (air=1):	No data available.
Relative density:	0.97 (20 °C) Approximate
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:	> 400 °C
Decomposition Temperature:	No data available.
Viscosity:	1,000 mm ² /s (25 °C)
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

10 STABILITY AND REACTIVITY

Reactivity:	No other information noted.
Stability:	Stable
Conditions to avoid:	No other information noted.
Incompatible materials:	Strong oxidizing agents.
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 data available.
Ingestion:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute Toxicity

Oral	
Product:	LD 50 (Rat): > 5,000 mg/kg
Dermal	
Product:	LD 50 (Rat): > 2,000 mg/kg
Inhalation	
Product:	No data available.
Specified substance(s)	
Repeated dose toxicity	
Product:	No data available.
Specified substance(s)	

Skin corrosion/irritation:	
Product:	No data available.
Specified substance(s)	
Serious eye damage/eye irritation:	
Product:	No data available.
Specified substance(s)	
Respiratory or skin sensitization:	
Product:	Not a skin sensitizer.
Germ cell mutagenicity	
In vitro	
Product:	No effects expected (assessment based on ingredients).
In vivo	
Product:	No data available.
Specified substance(s)	
Carcinogenicity	
Product:	No data available.
Specified substance(s)	
Reproductive toxicity	
Product:	No data available.
Specified substance(s)	
Specific target organ toxicity - single exposure	
Product:	No data available.
Specified substance(s)	
Specific target organ toxicity - repeated exposure	
Product:	No data available.
Specified substance(s)	
Aspiration hazard	
Product:	No data available.
Specified substance(s)	
Other adverse effects:	

12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity

Fish

Product: LC 50 (Fish, 96 h): Not considered toxic to fish.

Aquatic invertebrates

Product: EC 50 (Sediment Invertebrate, 48 h): Not expected to be harmful to aquatic organisms.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s):**Aquatic invertebrates****Product:** No data available.**Specified substance(s):****Toxicity to Aquatic Plants****Product:** EC 50 (48 h): Not expected to be harmful to aquatic organisms.
NOEC (48 h): Not expected to be harmful to aquatic organisms.**Persistence and degradability****Biodegradation****Product:** The product is not readily biodegradable.**BOD/COD ratio****Product:** No data available.**Specified substance(s):****Bioaccumulative potential****Product:** The product is not bioaccumulating.**Mobility in soil:**

No data available.

Known or predicted distribution to environmental compartments**Results of PBT and vPvB assessment:** No data available.**Other adverse effects:** No data available.**13 DISPOSAL CONSIDERATIONS****General information:** 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.

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**

This material is not subject to transport regulations.

Special precautions for user: No special precautions.**15 REGULATORY INFORMATION****Applicable regulations**

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

Regulations on the Control over the Safety of Dangerous Chemicals

Code of Practice for Safe Management of Dangerous Chemicals (Ministry of Labor, No.677-1992).

16 OTHER INFORMATION**Inventory Status**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

Revision Information:**Issue date:** 2014.01.03**SDS No.:****Disclaimer:**

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.