Safety data sheet
-SPM Silicone joint-

Safety data sheet dated 03/25/2016, issue 1

1 Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Trade name: SPM Silicone joint

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

Application of the substance / the mixture : Silicone sealant

· **1.3 Details of the supplier of the safety data sheet**

SPM International
16 rue Isabelle Eberhardt
CS 92083
31019 Toulouse cedex 2
France
Tél +33 (0)5 39 34 40 00
Fax +33 (0)5 39 34 40 10
@ export@spm.fr

1.4 Emergency telephone number

+33 (05) 39 34 40 00 (Mo-Thue-Wed-Thur-Fri – 9 am – 17pm)

2 Hazards identification

2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36/38: Irritating to eyes and skin.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms** GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.
H319 Causes serious eye irritation.

· **Precautionary statements**

P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
· **Additional information:**
Contains mixture of butanone oximosilanes and butanone oxime. May produce an allergic reaction.

· **2.3 Other hazards**
During the application and curing process of the material chemicals are released as vapour (see item 11). Therefore ensure good ventilation or exhaustion if necessary.
· **Results of PBT and vPvB assessment**
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
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3 Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
· **Description:** Polydimethylsiloxane, filler, auxiliaries and amine-oxime-silane crosslinker
· **Dangerous components:**

CAS: 15901-40-3 *N,N',N''-tricyclohexyl-1-methylsilanetriamine* *< 2.5%*
EINECS: 240-040-8 *C R35; Xn R21/22*
Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H312

CAS: 22984-54-9 *butan-2-one 0,0'0''-(methylsilylidyne)trioxime* *< 2.5%*
EINECS: 245-366-4 *Xi R36/38; Xi R43*
Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317

· ***Additional information*** *For the wording of the listed risk phrases refer to section 16.*

4 First aid measures

4.1 Description of first aid measures
· **After inhalation**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
· **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing**
Do not induce vomiting; call for medical help immediately. Show container or label.

5 Fire-fighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Mount respiratory protective device.
Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
· **6.4 Reference to other sections** See Section 8 for information on personal protection equipment.

7 Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
see item 8: Personal protective equipment
· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
· **Information about storage in one common storage facility:** Store away from foodstuffs.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.
· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
108-91-8 cyclohexylamine
WEL Long-term value: 41 mg/m³, 10 ppm
· **Additional information:**
The lists valid during the making were used as basis.
Maximum concentration at workplace recommended by producer: methyl ethyl ketoxime (MEKO, CAS: 96-29-7, product of hydrolysis) = 3 ppm .

· **8.2 Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type ABEK according to standard EN 14387) is used.
· **Protection of hands:** Protective gloves.
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Natural rubber, NR
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:** Safety glasses
· **Body protection:** Protective work clothing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

· **General Information**
· **Appearance:**
Form: Pasty
Colour: According to product specification
· **Odour:** Characteristic
Odour threshold: Not determined.
· **Change in condition**
Melting point/Melting range: undetermined
Boiling point/Boiling range: > 120 °C
· **Flash point:** > 90 °C (in closed cup)
· **Self igniting:** Product is not selfigniting.
· **Danger of explosion:** Product does not present an explosion hazard.
· **Density at 20 °C:** 1.35 g/cm³
· **Solubility in / Miscibility with Water:** Insoluble.

10 Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Avoid strong heating.
· **10.6 Hazardous decomposition products:**
Tests on representative products have shown that above temperatures of 150 °C small quantities of formaldehyde are split off.
see item 5.3

11 Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Irritating effects to skin and mucous membranes possible
· **on the eye:** Irritating effect possible
· **Other information (about experimental toxicology):**
During the application of the product butanone-2-oxime (MEKO) is released. MEKO might affect the mocous membrane of the nose by long time exposition. If MEKO is breathed in high concentrations over a long period (e.g. in case of insufficient ventilation), it might cause irreversible health defects.
In contact with dampness product separates a small quantity of cyclohexylamine (108-91-8) which irritates skin, mucous membranes and respiratory system.

12 Ecological information

· **12.2 Persistence and degradability**
· **Other information:** Product is not biodegradable.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

13 Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Observe local by-laws.
Already cured material can be disposed of with the domestic or commercial waste.
Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.
· **Uncleaned packaging:**
· **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· **14.1 UN-Number**
· **ADR, ADN, IMDG, IATA** Void
· **14.2 UN proper shipping name**
· **ADR, ADN, IMDG, IATA** Void
· **14.3 Transport hazard class(es)**
· **ADR, ADN, IMDG, IATA Class** Void
· **14.4 Packing group**
· **ADR, IMDG, IATA** Void
· **14.5 Environmental hazards:**
· **Marine pollutant:** No
· **14.6 Special precautions for user** Not applicable.
· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
· **Transport/Additional information:** Not dangerous according to the above specifications.
· **UN "Model Regulation":** -

15 Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **National regulations**
·**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
· **Details of international registration status:**
Listed on or in accordance with the following inventories:
EINECS - Europe listed
AICS - Australia listed
DSL/NDSL - Canada listed
IECSC - China not listed
ENCS - Japan listed
NZIoC - New Zealand not listed
PICCS - Philippines listed
ECL/KECI - Korea listed
TSCA - USA listed
NECI - Taiwan not listed
· **15.2 Chemical safety assessment**: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
· **Relevant phrases**
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
R21/22 Harmful in contact with skin and if swallowed.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.

· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1