

Material Safety Data Sheet



According to regulation GB/T 17519

Flame Retardant Silicone Rubber

Code:
XAHG-MSDS(EN)

Version:
3.1

Validity:
5 years

Revision date:
2025-03-01

Part 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product name:	Flame Retardant Silicone Rubber
1.2	Company Details:	
	Manufacturer/Supplier:	Zhejiang Xinan chemical industrial group co., ltd
	Address:	Xin'an Building, No.1 Jiangbin Middle Road, Jiande City, Zhejiang Province
	Telephone Number:	+86-0571-64002151
	Fax:	
	Website:	http:// www.wynca.com
1.3	Restrictions on use:	This material is only developed and manufactured for non-medical applications. For medical applications, use it after the product has been tested for safety and confirmed safe. Never use for human applications such as implant, impregnation, or where a residue may possibly in the body.

Part 2 HAZARDS IDENTIFICATION

2.1	GHS hazard Classification:	According to the globally harmonized system of classification and labeling of chemicals, none hazardous substances or mixtures
2.2	GHS label elements:	GHS label is not required
2.3	Physical and chemical hazards:	No data available
2.4	Health hazards:	A single time exposure will not have a significant impact
2.5	Environmental hazards:	Can not predict harmful effects on aquatic organisms

Part 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Main Ingredients:		
Component			
	Ingredients	Content (w/w)	CAS No.
	Silicon dioxide	10%-38%	7631-86-9
	Methyl vinyl silicone rubber	40%-80%	68083-18-1
	Aluminium hydroxide	30%-50%	21645-51-2

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Silicone oil (polydimethylsilicone)	5%-10%	63148-62-9
Color paste	0%-4%	—
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3.2	Hazardous Ingredients: No data available	

Part 4 FIRST AID MEASURES

4.1	FIRST AID:	
	Inhalation:	Quickly leave the site to a place with fresh air to keep the respiratory tract unobstructed. If you still feel unwell, please see a doctor.
	Skin contact:	No first aid required
	Eye contact:	Rinse immediately with plenty of water. If you continue to feel tingling, please go to see a doctor.
	Ingestion:	Drink water with small amount by several times, do not induce vomiting. Go to see a doctor if not getting better.
4.2	Advice for protecting rescuers:	No data available
4.3	Special tips for doctors:	No data available

Part 5 FIREFIGHTING MEASURES

5.1	Extinguishing media:	Use water mist, dry powder, foam, sand or carbon dioxide to extinguish fire.
5.2	Special hazards :	Exposure to burning ash may be hazardous to health
5.3	Firefighting procedures:	Decide whether to evacuate or isolate the area according to the local emergency plan. Cool those containers affected by fire with water. When putting out fires involving chemicals, wear self-contained breathing apparatus, face mask and full body protective clothing.

Part 6 ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions:	Protect the accident area, wear personal protective equipment and keep unprotected personnel away. If the material is leaked, please mark "pay attention to slip", and do not walk on the spilled material.
6.2	Environmental precautions:	Avoid materials entering surface water, drains or sewers and external soil. Where there is no danger of leakage, intercept contaminated water / fire fighting water.

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		Discharge in containers marked with instructions. If the product leaks into surface water, sewer or soil, please notify the functional department.
6.3	Storage and removal methods of leaked chemicals and disposal materials used:	To avoid binding, spread the surface with sand or bleached soil and collect the surface mechanically. Clean or wipe the spilled material and place it in a suitable chemical waste container. Use detergent / soap or other degradable cleaners to remove the mucus layer attached to the wall. Sand or other granular inert materials are used to improve the anti-sliding resistance.

Part 7 OPERATION AND STORAGE

7.1	Precautions for operation:	Suitable for adequate ventilation and exhaust equipment. Do not take it orally. Implement good industrial hygiene measures. Please wash the hand after operation, especially before eating or smoking.
7.2	Conditions for storage:	Store in a cool and well ventilated special warehouse away from kindling, heat source, strong acid, strong alkali and oxidizing materials.
7.3	Unsuitable packaging materials:	Not determined

Part 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Occupational exposure limits :	Not determined
8.2	Biological limits:	Not determined
8.3	Engineering controls:	Use ventilation and exhaust equipment, eye-washer.
8.4	Personal protection equipment :	
	Respiratory protection:	Personal breathing masks are generally not required
	Hand protection:	No special protection is required.
	Eye protection:	Protective glasses are recommended
	Skin protection:	No special protection is required. Wash thoroughly before eating and after work.

Part 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance and properties:	White / black solid substance
9.2	Density (water =	1.20-1.60

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	1):	
9.3	Melting point:	Not determined
9.4	Boiling point:	Not applicable
9.5	Flash point:	Not applicable
9.6	Upper /lower explosion limit :	Not applicable
9.7	Saturated vapor pressure (20°C) :	Not applicable
9.8	pH Value:	Not applicable
9.9	Relative Vapor Density:	No data available
9.10	Octanol / water partition coefficient:	No data available
9.11	Auto-ignition temperature :	No data available
9.12	Decomposition temperature:	No data available
9.13	Inflammability:	Not applicable
9.14	Viscosity(mPa.s):	Not applicable
9.15	Solubility:	Not applicable
Note: The above information is for reference only. If you need product information, please contact Zhejiang Xinan chemical industrial group co., ltd		

Part 10 STABILITY AND REACTIVITY

10.1	Stability:	Stable under normal conditions.
10.2	Possibility of hazardous reactions:	If stored and operated properly, no dangerous reaction was found.
10.3	Conditions to avoid:	Not determined
10.4	Incompatible materials:	Strong oxidant
10.5	Hazardous decomposition products:	Carbon dioxide, trace amounts of incomplete combustion carbides, silicon dioxide, metallic oxide

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Part 11 TOXICOLOGICAL INFORMATION

11.1	Acute toxicity:	No data available
11.2	Skin corrosion/irritation:	No data available
11.3	Eye irritation or corrosion:	No data available
11.4	Respiratory or skin allergy:	No data available
11.5	Germ cell mutagenicity:	No data available
11.6	Carcinogenicity:	No data available
11.7	Reproductive toxicity:	No data available
11.8	Specific target organ systemic toxicity (Disposable contact)	No data available
11.9	Specific target organ systemic toxicity (Repeated contact)	No data available
11.10	Inhalation hazard:	No data available

Part 12 ECOLOGICAL INFORMATION

12.1	Toxicity:	On the premise of considering the physical and chemical properties, the evaluation is based on the ecotoxicological test of similar products: for this product, there will be no classification related impact on aquatic organisms. As far as we know, it will not have a negative effect on sewage treatment equipment.
12.2	Persistence and degradability:	Silicone content: cannot be biodegradable, separated by sedimentation.
12.3	Potential bioaccumulation:	Polymer component: No harmful effect occurs.
12.4	Mobility in soil :	Silicone content: Insoluble in water.

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Part 13 DISPOSAL CONSIDERATIONS

13.1	Disposal chemicals:	Recycle as much as possible. If it cannot be recycled, refer to relevant national and local regulations before disposal.
13.2	Contaminated packaging:	Refer to relevant national and local regulations before disposal.
13.3	Disposal caution:	Refer to relevant national and local regulations before disposal .

Part 14 TRANSPORT INFORMATION

14.1	UN Dangerous Goods Code (UN) :	Not applicable
14.2	UN Transport Name :	Not applicable
14.3	UN hazard Classification:	Not applicable
14.4	Marine pollutants (yes/no):	NO
14.5	Precautions for transportation:	Mixed loading and transportation with peroxide are strictly prohibited. It shall be protected from rain during transportation. During stopover, it shall be away from kindling, heat source and high temperature area. Transport vehicles shall be equipped with corresponding varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Part 15 REGULATORY INFORMATION

15.1	Applicable regulations:	GB/T 16483 Safety data sheet for chemical products-Content and order of sections GB/T 17519 Guidance on the compilation of safety data sheet for chemical products GB 12268 List of dangerous goods GB 15258 General rules for preparation of precautionary label for chemicals
15.2	Details of international registration status:	
	IECSC:	All components are listed or exempted.
	AICS:	All components are listed or exempted.
	DSL:	Unlimited.
	PICCS:	All components are listed or exempted.
	TSCA:	All chemical components in this article are listed in the TSCA chemical

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		substances catalogue or exempted from the TSCA chemical substances catalogue.
	ENCS:	All components are listed or exempted.
	EINECS:	All components are listed or exempted.
	KECI:	All components are listed or exempted.

Part 16 OTHER INFORMATION

16.1	Other information:	The information in this document is based on the latest knowledge we have at the time of revision. They do not constitute a legal guarantee of the characteristics of the product.
		The provision of this document does not exempt the buyer of the product from his responsibility to pay attention to and comply with the existing laws and regulations related to the product, especially when he continues to resell the product or use the mixture or products produced by it in other jurisdictions, as well as on the protection of the rights and interests of third parties.
		If the described product is processed or mixed with other materials, the information in this document is no longer applicable to the new product, unless specifically specified.
		When repacking the product, it is the buyer's responsibility to attach the necessary safety-related information.
		This information is not a product manual, but to provide a representative concept. This information does not involve warranty, confession or implication. The recommended industrial hygiene and safety handling procedures are basically applicable. Before use, each user should read the suggestions on the intended use of the product and decide whether it is applicable.