## **Rubber Compounds**

<b>1.1 Product description:</b> Rubber compou	nds	
<b>1.2 Chemical classification:</b> Silicone compo	Silicone compounds	
1.3 Product types:         NE-10, NE-20, NE-181, NE-1           NE-181, NE-1         NE-170, NE-13           NE-5170, NE-5         NE-5280, NE-5280, NE-5280, NE-5280, NE-250, NE-250, NE-250, NE-250, NE-7130, NE           NE-7130, NE         NE-7130, NE           NE-7160, NE         NE-7160, NE           NE-3260, NE-345, NE-35         NE-345, NE-35           NE-671, NE-671, NE-671, NE-671, NE-1460, NE-1400, NE-1460, NE-1400, NE-14000, NE-14000, NE-14000, NE-14000, NE-14000, NE-14000, NE-14000, NE-14000, NE-140000	NE-131, NE-141, NE-151, NE-161, NE-171, 91, NE-130, NE-140, NE-150, NE-160, 80, NE-190, NE-5140, NE-5150, NE-5160, 180, NE-5240, NE-5250, NE-5260, NE-5270, 251, NE-261, NE-271, NE-281, NE-240, 60, NE-270, NE-280, NE-7120, NE-7125, -7140, NE-7150, NE-7150U, NE-7155U, -7160U, NE-7170, NE-7180, NE-7190, 250, NE-7260, NE-7270, NE-7280, NE-8131, 5141, NE-8151, NE-8161, NE-8171, NE-341, 51, NE-3140, NE-3150, NE-3160, NE-3250, 3270, NE-631, NE-641, NE-651, NE-661, 581, NE-GT131, NE-GT141, NE-GT151, E-GT171, NE-GT181, NE-1440, NE-1450, 470, NE-J140, NE-J150, NE-J160, NE-J170	
1.4 Company profile		
Manufacturer/supplier:		
Address:		
TEL:		
Emergency Phone Number:		
FAX:		
Contact:		
<b>1.5 1<sup>st</sup> manufacturing date</b> 5 <sup>th</sup> June 2013		

2 Ingredients/Composition			
2.1 Chemical type:	Compour	ıd	
2.2 Physical form:	Solid		
2.3 Color:	Ivory		
2.4 Main use:	For manufacturing silicone rubber		
2.5 Hazardous ingredients:			
Chemicals	CAS NO	Concentration or Concentration Scope (% w/w)	
Octamethylcyclotetrasiloxane (D4)	556-67-2	≥0.1 - <1.0	
Decamethylcyclopentasiloxane (D5)	541-02-6	≥0.1 - <1.0	
	540.07.6	>0.1 - <1.0	

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3 Hazard Identification	
3.1 Hazard type:	No hazard.
3.2 Exposure pathway:	Exposure to skin and unexpected swallowing.
3.3 Health hazards	
Acute impacts	
Eyes:	Direct contact might cause short reddening and discomfort.
Skin:	Short pure exposure doesn't have material impacts.
Inhale:	Short pure exposure doesn't have material impacts.
Intake:	Only very little intake harm is caused in case of normal use.
Chronic impacts	
Skin:	No proper materials.
Inhale:	No proper materials.
Intake:	Repeated intake or swallowing in large quantities might cause
	inner harms.
<b>3.4 Impacts and symptoms</b>	Single exposure doesn't cause any harm in case of normal use.
of excessive contact:	

The above potential hazards are listed based on data from research about ingredients of products or similar products or expert reviews of products. For detailed materials regarding toxicology, refer to Part 11.

4 First aid measures	
4.1 Eyes:	Flush with water right away.
4.2 Skin:	First aid isn't needed.
4.3 Inhale:	First aid isn't needed.
4.4 Intake:	Go to see a doctor.

5 Fire Protection Measures	
5.1 Combustion:	Non-combustible.
5.2 Ignition temperature:	Unmeasured.
5.3 Hazard characteristic: None	
5.4 Extinguishing agents:	Use dry chemical articles, foam or water mist in case of big
	fire. Use carbon dioxide, dry chemical articles or water mist in
	case of small fire. The containers exposed to fire can be cooled
	down with water.
5.5 Special extinguishing	Decide whether to evacuate or isolate them according to the

## **Rubber Compounds**

procedures and equipment:	local emergency response plan. Cool down containers which	
	are easily impacted by fire. To extinguish big fire related to	
	chemical articles, self contained breathing apparatus and	
protective clothing shall be worn.		
5.6 Hazardous combustion	Carbon dioxide, minor incompletely burned carbides and	
products:	silicon dioxide.	
5.7 Banned extinguishing	Unidentified.	
agents:		

6 Emergency Responses to Leakage		
6.1 Notes on personal	Avoid eye contact. Oral administration is banned.	
protection:		
6.2 Notes on environmental	It mustn't enter drainage systems or rivers in large quantities.	
protection		
6.3 Elimination method:	Follow all recommendations on the use of personal protective	
	equipment listed in this material safety data sheet. Some related	
	laws and rules might not only apply to the leakage and release	
	of this material, but are also applicable to cleaning leaked	
	materials. You shall clarify which laws and rules are more	
	applicable.	

7 Operation and Storage					
7.1	Notes	on	personal	Use adequate ventilation and exhaust equipment. Oral	
protection: administrat			administration is banned. Take good industrial sanitary		
m			measures. Please clean the equipment after operation,		
				especially before drinking or smoking.	
7.2 N	<b>7.2 Notes on storage</b> Placed in well-ventilated and cool places.		Placed in well-ventilated and cool places.		
7.3	Unsuita	ble	packaging	Unidentified.	
materials:					

8 Exposure Control/Personal Protection		
8.1 Industrial hygienic standards:		
<u>Composition</u>	CAS No. Exposure Limit	
Unknown.		
8.2 Engineering control		
Local ventilation equipment:	Banned.	
Ordinary ventilation equipment	Recommended.	
8.3 Normally operated personal protective equipment		

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Protection of respiratory system: Eye protection: Hand protection: Skin protection: Personal hygienic measures:	<ul> <li>Respiratory protective equipment isn't needed.</li> <li>Use of safety glasses for appropriate protection is the minimum requirement to be satisfied.</li> <li>Special protection isn't needed.</li> <li>Fully cleaned before dining and after work.</li> <li>Implement good industrial hygienic measures.</li> <li>Don't eat or smoke during operation; please ensure personal hygiene after operation.</li> </ul>			
8.4 Personal protective equipment against leakage				
Eye protection:	Use of safety glasses for appropriate protection is the minimum requirement to be satisfied.			
Skin protection:	Fully cleaned before dining and after work.			
Preventive measures:	Avoid eye contact. Oral administration is banned. Take proper preventive measures.			
Notes:	When the material is heated to a temperature above $150^{\circ}$ C, a very small amount of formaldehyde might be released, so adequate ventilation and exhaust equipment is needed.			

Remarks: All these operations are routine and performed at normal temperature. For operation at high temperature, other notes shall be followed.

9 Exposure Control/Personal Protection		
9.1 Physiochemical properties:	Solid	
9.2 Color:	Ivory.	
9.3 Smell:	No smell.	
9.4 рН:	Unmeasured.	
9.5 Melting point:	Unmeasured.	
9.6 Boiling point:	Unmeasured.	
9.7 Relative density (g/cm <sup>3</sup> )	Unmeasured.	
9.8 Relative vapor density (air density	Unmeasured.	
= 1):		
9.9 Octanol/water partition coefficient:	Unmeasured.	
9.10 Flash point:	None.	
9.11 Ignition temperature:	Unmeasured.	
9.12 Explosiveness:	Non-explosive.	
9.13 Solvability:	Unmeasured.	

#### **Rubber Compounds**

The above materials are only for reference.

10 Stability and Reactivity	
10.1 Stability:	Stable.
10.2 Reactivity:	Ivory.
Conditions for avoiding exposure:	None.
Prohibited use of substances:	No proper materials.
<b>Decomposition products:</b>	Carbon dioxide, very small amount of incompletely
	burned carbides, silicon dioxide.
Polymerization:	No hazardous polymerization.

11 Toxicological Materials	
11.1 Health hazards:	Refer to Point 3.3.
11.2 Acute toxicity:	None.
11.3 Irritancy:	No proper materials.
11.4 Information on other health	No proper materials.
hazards:	

The above potential hazards are listed based on data from research about ingredients of products or similar products or expert reviews of products.

12 Ecological Materials	
12.1 Environmental impacts and their	Water insolvable. With unforeseeable adverse
distribution:	impacts.
12.2 Environmental impacts:	Unforeseeable adverse impacts upon aquatic
	organisms.
12.3 Bioaccumulation:	No proper materials.
12.4 Non-biodegradable:	No proper materials.

13 Disposal of Wastes	
13.1 Disposal method for product	Disposed of according to local rules.
wastes:	
13.2 Disposal method for packaging	Disposed of according to local rules.
wastes:	
13.3 Notes on wastes:	No proper materials.

#### **14 Transport Information**

14.1 Dangerous Goods Number:

Unknown.

Rubber Compounds	
14.2 UN Number:	Unknown.
14.3 Package Mark:	No hazard symbol.
14.4 Notes on transport	
Highway and railway transport:	None.
Sea freight (IMDG):	No IMDG.
Air freight (IATA):	Not within the scope of IATA.
15 Information on Rules	
15.1 Applicable rules:	Rules on Safe Use of Chemicals in Workplaces

	[No.423 Document issued by the Ministry of Labor in 1966] specify provisions with respect to safe use, production, storage, transport, loading and unloading of hazardous chemicals.
15.2 Chemical warehousing:	
KECL:	List, exempt or announce all compositions.
MITI:	Include all compositions in ENCS, or formulate other
	exemption rules.
IECSC:	List or exempt all compositions.
AICS:	List or exempt all compositions.
PICCS:	List or exempt all compositions.
EINECS:	Unmeasured.
TSCA:	Unmeasured.
DSL:	Unmeasured.

16 Other Information	
Contact:	
Prepared by:	
This is not a product manual, but for defining representative concepts. It contains no guarantee,	
confession or implication. The recommended industrial hygienic and safety procedures are	
believed to be generally applicable. However, each user shall review the recommendations on	
predetermined application methods before using the product and confirm if the methods are	

applicable or not.