



Material Safety Data Sheets

SECTION 1: Identification of the substance and of the company

- 1.1 Product name:** NANJU silicone rubber compound
- 1.2 Product model:** NJ-152A-60, NJ-152B-60, NJ-152C-60, NJ-152D-60, NJ-152A-60K
- 1.3 Recommended use:** Electrical insulating industry and electronics
- 1.4 Details of the supplier of the safety data sheet**
Manufacturer: DONGGUAN NANJU POLYMER MATERIAL CO., LTD
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Tel: +86 769 82025586
Fax: +86 769 82025585
Email: customer@njsilicone.com; qc@njsilicone.com
- 1.5 Emergency contact info:** +86 769 82025586; sales@njsilicone.com

SECTION 2: Hazards identification

- 2.1 Classification of the substance:** Non-Hazardous Chemical
- 2.2 Label elements:** No labeling according to GHS required.
- 2.3 Physical and chemical hazards:** Not classified based on available information.
- 2.4 Health hazards:** Not classified based on available information. Meet the environmental standards of REACH, ROHS, halogen, PAHS, DODP, etc.
- 2.5 Other hazards:** No data available.

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable

3.2 Chemical ingredients

Chemical Name	CAS No.	Proportion
Methyl Vinyl Polysiloxane	68037-87-6	35%-40%
Silica	14464-46-1	10%-15%
Hydroxyl silicone oil	63148-62-9	3%-5%
Aluminum hydroxide	21645-51-2	40%-50%



3.3 Hazardous components: None

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

After inhalation:

Material cannot be inhaled under normal conditions.

After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Advice for the doctor:

Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

water mist , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand.

Extinguishing media which must not be used for safety reasons: water jet.

5.2 Special hazards arising from the substance or mixture

Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: carbon oxides, silicon oxides, incompletely burnt hydrocarbons, toxic and very toxic fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.



6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3 Methods and material for containment and cleaning up

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Observe information in section 8.

Precautions against fire and explosion: Observe the general rules for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels: Observe local/state/federal regulations.

Advice for storage of incompatible materials: Observe local/state/federal regulations.

Further information for storage: Store in a dry and cool place.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Maximum airborne concentrations at the workplace: not applicable

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling.

Personal protection equipment:

Respiratory protection

No personal respiratory protective equipment normally required.

Eye protection

Recommendation: protective goggles .

Hand protection

Use of protective gloves is recommended when handling the material.

Recommended glove types: Protective gloves made of nitrile rubber



thickness of the material: > 0.1 mm

Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of butyl rubber

thickness of the material: > 0.3 mm

Breakthrough time: > 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters, drains or sewers and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state / form : paste

Colour : gray

Odour

Odour : no odour

pH-Value

pH-Value : not applicable

Melting point/freezing point

Melting point / melting range : not applicable

Initial boiling point and boiling range

Boiling point / boiling range : not applicable

Flash point

Flash point : No data known.

Upper/lower flammability or explosive limits

Lower explosion limit (LEL) : not applicable

Upper explosion limit (UEL) : not applicable

Vapour pressure

Vapour pressure : not applicable

Solubility(ies)

Water solubility / miscibility : virtually insoluble at 20 °C

Vapour density

Relative gas/vapour density : No data known.

Relative Density



Density : 1.53±0.3 g/cm³

Partition coefficient: n-octanol/water

Partition coefficient: n-octanol/water : No data known.

Auto-ignition temperature

Ignition temperature : No data known.

Decomposition temperature

Thermal decomposition : No data known.

Viscosity

Viscosity (dynamic) : not applicable

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known

10.5 Incompatible materials

none known

10.6 Hazardous decomposition products

If stored and handled properly: none known . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Acute toxicity estimate (ATE): No data known.

11.1.2 Skin corrosion/irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.3 Serious eye damage / eye irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.4 Respiratory or skin sensitization

Assessment:

For this endpoint no toxicological test data is available for the whole product.



11.1.5 Germ cell mutagenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.

12.2 Persistence and degradability

Assessment:

Silicone content: biologically not degradable. Separation by sedimentation.

12.3 Bioaccumulative potential

Assessment:

No adverse effects expected.

12.4 Mobility in soil

Assessment:

For the product as a whole, no test data is available.

12.5 Other adverse effects

None known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material



Recommendation:

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14: Transport information

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Land transport ADG Code (road and rail):

Valuation : Not regulated for transport

Transport by sea IMDG-Code:

Valuation : Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation : Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections has to be considered.

SECTION 15: Regulatory information

15.1 Applicable Laws:

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.

15.2 Chemical Inventories

KECL: All ingredients listed exempt or notified.

ENCS/ISHL: All components are listed on ENCS or its exempt rule.

IECSC/AICS/PICCS: All ingredients listed or exempt.

EINECS/TSCA/DSL/HSNO: Not determined.

SECTION 16: Other information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements. However, each user should review these recommendations in the specific context of the intended use to determine whether they are appropriate.



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16.2 Glossary of Terms:

CAS No. - Chemical Abstracts Service Registry Number

UN No. - United Nations Dangerous Goods Number

ADG Code - Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail

IMDG Code - International Maritime Dangerous Goods Code IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulation

- End of Material Safety Data Sheet -