

1. Identification

Product name: Nano Mold Coating QC
Recommended use: Plastic injection mold coating.
Restrictions on use: None known
Supplier: Nanoplas
2950 Prairie Street South West
Suite 900
Grandville, MI 49418
T (616)-452-3707

Emergency number: For Chemical Emergency Call INFOTRAC 24hr/day 7days/week
Within USA, Mexico and Canada: 800-535-5053 ID# 102222
Outside USA, Mexico and Canada: 1-352-323-3500 ID# 102222

Date of issue: 07/10/2023
Date of revision 07/27/2026

2. Hazard(s) identification
Classification:

Physical hazards	Health hazards
Not classified	Skin sensitisation, Category 1 Reproductive toxicity, Category 2

GHS US labelling:

Warning!



CONTAINS: Silicone Resin, Silicone Emulsion

Hazard statements (GHS US)	Precautionary statements (GHS US)
H317 - May cause an allergic skin reaction. H361 - Suspected of damaging fertility or the unborn child.	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing mist, vapors, or spray. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves. P302+P352 - If on skin: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical attention. P363 - Wash contaminated clothing before reuse. P308+P313 - If exposed or concerned: Get medical advice.

P405 - Store locked up.
P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local and national regulations.

3: Composition/information on ingredients

Component	CAS-No.	Amount (%)
Silicone Resin	Trade Secret	1-20%
Silicone Emulsion	Trade Secret	0.1-<1%

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to the fresh air. Get medical attention if symptoms occur.

Skin: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical attention.

Eyes: Rinse cautiously with water for several minutes. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Call a poison center or a doctor if you feel unwell.

Symptoms/effects: May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Combustion products: Silicone compounds and formaldehyde.

Fire hazard: This product is not classified as flammable or combustible.

Special protective equipment and precautions for fire-fighters: Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

Methods and material for containment and cleaning up: Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Wear personal protective equipment. Avoid breathing mist, vapors, or spray.

Storage conditions: Store locked up. No special storage required.

8. Exposure controls/personal protection

Exposure guidelines:

Silicone Resin	None established.
Silicone Emulsion	None established.

Appropriate engineering controls: General ventilation should be adequate for all normal use. For operations where the exposure may be excessive, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves to avoid skin contact.

Eye protection: Safety glasses or goggles are recommended if eye contact is possible.

Skin and body protection: Appropriate protective clothing as needed to avoid prolonged or repeated skin contact.

Respiratory protection: None under normal use conditions. For operations where the exposure may be excessive, a NIOSH approved respirator with an organic vapor cartridge or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and 1910.1028; and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

9. Physical and chemical properties

Appearance: White liquid.

Physical state : Liquid

Colour : White

Odour : characteristic

Odour threshold : No data available

pH : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative : No data available

evaporation rate
(butylacetate=1)

Flammability : Not applicable.
(solid, gas)

Vapour pressure : No data available

Relative vapour : < 1
density at 20 °C

Percent VOCs (%) : 0.01- 0.1

Relative density : 1.04

Solubility : No data available

Log Pow : No data available

Auto-ignition
temperature : No data available

Decomposition
temperature : No data available

Viscosity,
kinematic : No data available

Viscosity,
dynamic : No data available

Explosive limits : No data available

Explosive
properties : No data available

Oxidising
properties : No data available

10. Stability and reactivity

Reactivity: Not reactive

Chemical stability: Stable under normal storage and handling conditions..

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: None known.

Incompatible materials : Oxidizers, strong acids and strong bases.

Hazardous decomposition products: Thermal decomposition will produce silicone compounds and formaldehyde.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: May cause an allergic skin reaction. May cause slight irritation to the skin.

Eyes: May cause minor eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Carcinogenicity: Not classified

Silicone Resin This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Silicone Emulsion This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Germ cell mutagenicity: Not classified

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity:

The following are the toxicity values for the components:

Silicone Resin No data available

Silicone Emulsion No data available

Skin corrosion/irritation Not classified

Serious eye damage/irritation Not classified

Respiratory or skin sensitisation Not classified

STOT-single exposure Not classified

STOT-repeated exposure Not classified

Aspiration Hazard Not classified

12. Ecological information

Ecology - general: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Waste treatment methods: Dispose in accordance with all local, state and federal regulations.

14. Transport information

Department of Transportation (DOT)

Non Dangerous, Land transport permitted

Transport by sea

IMDG; Non Dangerous, Sea transport permitted

Air transport

IATA ; Non Dangerous, Airtransport permitted

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of the United States SARA Section 313

CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:



WARNING:

This product can expose you to chemicals including benzene, which is known to the State of California to cause cancer, and is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

16. Other information

Revision date 07/27/2026 Section 14.

NFPA	
NFPA health hazard:	2
NFPA fire hazard:	1
NFPA reactivity:	0

HMIS Hazard Rating	
Health:	2*
Flammability:	1
Physical:	0

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.