



NANO LIQUID CERAMIC H9

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name Nano Liquid Ceramic H9
Product Code 16-55
Recommended Use Protective Coating.
Manufacturer Nano Liquid: 2244 Faraday Ave, Suite 148, Carlsbad, CA 92008 - (760) 444-6070
Emergency Phone Number (760) 444-6070

2. HAZARD IDENTIFICATION

Classification of Substance Mixture

Signal Word DANGER
Flammable Liquid: Class 2.
Skin Irritant: Class 3.
Eye Irritation: Class 2B.



Hazard Statements

H225: Highly flammable liquid & vapor
H316: Causes mild skin irritation.
H320: Causes eye irritation
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary Statements:

P210: Keep away from heat/sparks/open flames / hot surfaces - No Smoking
P233: Keep container tightly closed
P242: Use only non sparking tools
P243: Take precautionary measures against static discharge
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves (nitrile), protective clothing and eye protection / face protection
Response Precautionary Statements:
P303 + 353: If on skin remove immediately. Take off contaminated clothing. Rinse skin with water
P332 + 313: If skin irritation occurs, get medical attention.
P304+340+312: If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a doctor if you feel unwell.
P305+P351: If in eyes, rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing
Call a doctor if you feel unwell.
P378: Use proper media for extinction. (CO2, chemical powder, sand. Do NOT use water jet)
P403+235: Store in a well-ventilated place. Keep cool
P501: Dispose of contents /container to relevant local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
DIBUTYL ETHER	142-96-1	10 - 20
Siloxane	Trade Secret	70 - 90
Hardening Catalyst	Trade Secret	1 - 10

4. FIRST AID MEASURES

Description Of First Aid Measures

Inhalation Move Victim to fresh air and keep comfortable. Seek medical attention if you feel unwell.
Skin..... Wash with soap and water. Remove contaminated clothing and wash before re-use.
Eye Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Ingestion Rinse mouth with water. If conscious give two glasses of water. Do not induce vomiting. Seek medical attention if you feel unwell.

Most important systems and effects, both acute and delayed

Note Product may cause drying of skin. Wear nitrile or rubber gloves when using product.

Indication of any immediate medical attention and special treatment needed

Note to Physician All treatments should be based on observed signs and symptoms of distress in the patient.





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5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media CO₂, dry chemical, foam, water fog, water spray.

Unsuitable Extinguishing Media Water Jet

Special Hazards Arising From The Substance Or Mixture

Unusual Fire and Explosion Hazards None

Hazrdous Combusion Products Combustion may produce Carbon Monoxide, CO₂ and potentially irritating fumes.

Advice for firefighters Wear approved SCBA with full facepiece operated in positive pressure demand mode. Hazardous Polymerization is not expected to occur. Avoid contact with strong oxidizing agents and strong acids.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

Personal Precautions For large spills (500 gallons or more) wear appropriate protective equipment including rubber boots, gloves, goggles and apron.

Emergency Procedures Turn off all sources of ignition. (pilot lights, flares, etc.).

Environmental Precautions Avoid run off to waterways and storm drains.

Methods And Materials For Containment And Clean Up

Containment / Clean up Measures Stop leak if you can do it without risk. Dike ahead of liquid spill to prevent entering storm drains. Absorb and transfer to containers.

7. HANDLING AND STORAGE

Precautions For Safe Handling

Handling Product is slippery. If product is spilled onto floor, clean area to prevent slipping.

Conditions For Safe Storage, Including Any Incompatibilities

Storage Store in a cool, dry place.

Incompatible Materials or Ignition Sources Keep away from oxidizers and strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Engineering Measures / Controls None needed when used as directed.

Personal Protective Equipment Safety goggles and protective gloves.

General Industrial Hygiene Considerations None needed when used as directed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Physical and Chemical Properties

Physical Form Liquid

Color Clear

Taste Data Lacking

Particulate Size N/A

Appearance Thin Liquid

Odor Solvent (dibutyl ether)

Particulate Type N/A

Aerosol Type N/A

General Properties

Boiling Pt 280° F

pH N/A

Water Solubility Not Soluble

Melting Point Data Lacking

Self Igniting 200° C

Flash Point 61° F

10. STABILITY AND REACTIVITY

Reactivity No dangerous reaction know under conditions of normal use.

Chemical stability Stable under normal temperatures and pressures.

Possibility of hazardous reactions Hazardous polymerization is not expected to occur.

Conditions to Avoid High temperatures, freezing temperatures.

Hazardous Decomposition Combustion may produce Carbon Monoxide, CO₂ and potentially irritating fumes.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Dibutyl Ether CAS: 142-96-1

Acute Oral LD 50: 7400 mg/kg (rats)

Acute Inhalation LC50: 4000 ppm / 4H (rats)

Draze Test, rabbit eyes: 500 mg / 24H moderate

Draze Test, skin: 100 mg / 24H moderate

Component Information See Section 3

Specific Effects

Carcinogenic Effects None known

Mutagenic Effects None known

Reproductive Toxicity None known

Target Organ Effects None known

12. ECOLOGICAL INFORMATION

Environmental Information Do not allow product to containmate ground water system.

Ecotoxicity: No relevant data for finished product

Persistence and Degradability: No releant data for finished product





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13. DISPOSAL CONSIDERATIONS

Disposal Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT, Air Transportation (IATA/ICAO), Sea-transportation (IMO/IMDG)

Proper Shipping Name: Flammable Liquids, n.o.s.

Hazard Class: Class 3, flammable liquids

UN Code: UN 1993

Packing Group: II

15. REGULATORY INFORMATION

Dangerous Chemicals List (GB 12268)

UN1993, flammable liquids, n.o.s., packing group: II, hazard class: 3

Dibutyl Ether Risk-phrase: R: 10-36/37/38-52/53 Safety-phrase: S: (2-) 61

CERCLA / SARA Section 302 EHS: None above reporting de minimis

CERCLA/ SARA Section 311 / 312: Immediate Health, Delayed Health, Fire

CERCLA/SARA Section 313: None above reporting de minimis

CERCLA reportable quantity: Dibutyl Ether (CAS 142-96-1) 100 lbs (45.4 kg)

California Proposition 65: No California Proposition 65 listed chemicals known to be present

TSCA 8 (b) Inventory Status: All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) inventory or are exempt from listing because a Low Volume Exemption (LVE) has been granted in accordance with 40 CFR 723.50.

TSCA 12 (b) Export Notification: None above reporting de minimis

16. OTHER INFORMATION

Dated July 14, 2019

WARNING This information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe: Read this safety information and forward it to all persons who may be exposed to this product.

