Nanoplas
Safety Data Sheet

1. Identification

Product name: MB-200 Mold Brite

Recommended use: Cleaner,Degreaser

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: 07/18/2019

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Flammable aerosol Category 1 Gases under pressure Compressed gas	Skin corrosion/irritation, Category 2 Eye irritation, Category 2 Skin sensitisation, Category 1 Specific target organ toxicity — Single exposure, Category 3 Aspiration hazard, Category 1

GHS US labelling:

Danger!

CONTAINS: Naphtha (petroleum), hydrotreated light; Isopropanol; Orange Oil

Hazard statements (GHS US)	Precautionary statements (GHS US)
H222 - Extremely flammable aerosol. H280 - Contains gas under pressure; may explode if heated. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Pressurized container: Do not pierce or burn, even after use. P261 - Avoid breathing mist, vapors, or spray. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area.

	P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves and eye protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical attention. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P333+P313 - If skin irritation or rash occurs: Get medical advice. P362 + P364 – Take off contaminated clothing and wash before reuse. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P312 - Call a poison center or doctor if you feel unwell P301+P310 - If swallowed: Immediately call a poison center or doctor. P331 - Do NOT induce vomiting P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. 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 (%)
Naphtha (petroleum), hydrotreated light	64742-49-0	80-100
Isopropanol	67-63-0	10-30
Carbon Dioxide	124-38-9	5-10
Diethyl Phthalate	84-66-2	0.1-1
Orange oil	8008-57-9	0.1-1

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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Ingestion: Do not induce vomiting. Call a physician immediately.

Symptoms/effects: Causes serious eye irritation. Causes skin irritation. May cause drowsiness or dizziness.May be fatal if swallowed and enters airways.

Immediate medical attention and special treatment, if necessary: If accidentally swallowed obtain immediate medical attention.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO_2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: None.

Combustion Products: Oxides of carbon.

Fire hazard: Extremely flammable aerosol. Keep away from open flames, hot surfaces and sources of ignition. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Exposure to fire may cause containers to rupture/explode.

Explosion hazard: Contains gas under pressure; may explode if heated. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Special protective equipment and precautions for fire-fighters: Fight fire from safe distance and protected location. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. Use shielding to protect from bursting cans. Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Eliminate all ignition sources. Ventilate area. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing.

Methods and material for containment and cleaning up: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Absorb and/or contain spill with inert material, then place in suitable container. 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. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Unplug electrical tools, motors, and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances, or any other source of electricity. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist, vapors, or spray. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap.

Storage conditions: Store in a cool, well-ventilated place. Protect cylinders from physical damage; do not drag, roll, slide or drop. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up.

NFPA aerosol level: 3

8. Exposure controls/personal protection

Exposure guidelines:	
Naphtha (petroleum), hydrotreated light	None established.
Isopropanol	980 mg/m³ TWA OSHA PEL; 400 ppm TWA OSHA PEL;

	200 ppm TWA ACGIH; 400 ppm STEL ACGIH;
Carbon Dioxide	9000 mg/m³ TWA OSHA PEL; 5000 ppm TWA OSHA PEL; 5000 ppm TWA ACGIH; 30000 ppm STEL ACGIH;
Diethyl Phthalate	5 mg/m³ TWA OSHA PEL
Orange oil	None established.

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Use spark-/explosion proof appliances and lighting system.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Impervious gloves are suggested to prevent skin contact.

Eye protection: Chemical safety goggles are recommended where splashing is possible.

Skin and body protection: Impervious clothing is required to prevent skin contact and contamination of personal clothing.

Respiratory protection: No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: Clear, colorless liquid.

Physical state : Liquid
Colour : amber
Odour : No data available
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 : -9 °C
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : Extremely flammable aerosol.
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available

VOC content : 93.76 %

Relative density : 0.7
Solubility : Insoluble in water.
Log Pow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : < 20.5 cSt
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: Do not puncture or incinerate containers. Keep away from heat, sparks, flames and other sources of ignition.

Incompatible materials : Oxidizers, strong acids and strong bases.

Hazardous decomposition products: Thermal decomposition will produce oxides of carbon.

11. Toxicological information

Inhalation: High concentration of vapours may induce: headache, nausea, dizziness. Intentional abuse may be harmful or fatal. May cause irritation to the respiratory tract and to other mucous membranes.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Eyes: Causes serious eye irritation. Corneal injury is likely.

Ingestion: Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Carcinogenicity:	Not classified
Naphtha (petroleum), hydrotreated light:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Isopropanol:	IARC 3 - Not classifiable;
Carbon Dioxide:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Diethyl Phthalate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Orange oil:	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:	Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Naphtha (petroleum), hydrotreated light:	Oral rat LD50- >5000 mg/kg; Dermal rabbit LD50->2000 mg/kg; Inhalation rat LC50- >5610 mg/m^3
Isopropanol:	Oral rat LD50- 5.84 g/kg; Dermal rabbit LD50- 16.4 ml/kg; Inhalation rat LC50- 1666.66 ppm/1h
Carbon Dioxide:	No data available
Diethyl Phthalate:	No data available
Orange oil:	Oral rat LD50- > 5000 mg/kg; Dermal rabbit LD50- > 5000 mg/kg;
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified

12. Ecological information

Ecology - general: Toxic to aquatic life with long lasting effects.

Ecotoxicity:

Naphtha (petroleum), hydrotreated light:	8.2 mg/L Fish LC50 96 h; 4.5 mg/L Daphnia EC50 48 h
Isopropanol:	10000 mg/L Fish LC50 96 h; 10000 mg/L Daphnia EC50 48 h

Persistence and degradability:
Isopropanol: Readily biodegradable.
Bioaccumulative potential:
Isopropanol: BCF Fish - 3; Log KOW0.05
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)

Proper Shipping Name (DOT) : Aerosols
UN-No.(DOT) : UN1950
Class (DOT) : 2.1
Packing group (DOT) : N/A
Hazard labels (DOT) : Flammable gas

Transport by sea

Proper Shipping Name (IMDG) : AEROSOLS
UN-No. (IMDG) : 1950
Class (IMDG) : 2.1
Packing group (IMDG) : N/A

Air transport

Proper Shipping Name (IATA) : Aerosols, flammable
UN-No. (IATA) : 1950
Proper Shipping Name (IATA) : Aerosols, flammable
Class (IATA) : 2.1
Packing group (IATA) : N/A

15. Regulatory information

SARA Section 313 - Emission Reporting: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. None

CERCLA Section 103:

This product is not subject to reporting under CERLCA. 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:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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.

INTERNATIONAL INVENTORIES

Australia AICS:	All the components are listed.
Canada DSL:	All the components are listed.
China IECSC:	All the components are listed.
EU EINECS:	All the components are listed.
Japan ENCS:	All the components are listed.
Korea KECL:	All the components are listed.
New Zealand:	All the components are listed.
Philippines PICCS:	All the components are listed.
Taiwan CSNN	All the components are listed.

16. Other information

Revision date : 07/18/2019

NFPA	
NFPA health hazard:	2
NFPA fire hazard:	3
NFPA reactivity:	0

HMIS Hazard Rating	
Health:	2
Flammability:	4
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.