Safety Data Sheet
acc. to OSHA HCS

Date of issue: 07/23/2026 *Reviewed on 06/18/2025*

1 Identification

- ***Product identifier***
  - ***Trade name:*** ND LM-1293®
    - ***Synonyms:*** LM-1293 - Applied
- ***Other means of identification***
  - ***Part number:*** LM1293 - Applied
- ***Application of the substance / the mixture*** Protective coating
- ***Details of the supplier of the safety data sheet***
  - ***Manufacturer/Supplier:***
    ND Industries, a subsidiary of H.B. Fuller Company
    1000 North Crooks Road
    Clawson, MI 48017
    USA
    Telephone: +1-248-288-0000
    Email: nd-info@hbfuller.com
    Websites: www.ndindustries.com | www.vibra-tite.com
  - ***Information department:*** Product Safety Department
- ***Emergency telephone number:***
  United States: 1-800-424-9300
  International: +1-703-527-3887

*
2 Hazard(s) identification

- ***Classification of the substance or mixture***

GHS08 Health hazard

Specific target organ toxicity (repeated exposure) 1	H372 Causes damage to organs through prolonged or repeated exposure.

GHS07

Skin irritation 2	H315 Causes skin irritation.
Eye irritation 2A	H319 Causes serious eye irritation.
Specific target organ toxicity (single exposure) 3	H336 May cause drowsiness or dizziness.

- ***Label elements***
  - ***GHS label elements*** The product is classified and labeled according to the Globally Harmonized System (GHS).
    - ***Hazard pictograms***

GHS07 GHS08

    - ***Signal word*** Danger
    - ***Hazard-determining components of labeling:***
      Alkyd Resin
      Soapstone
    - ***Hazard statements***
      H315 Causes skin irritation.
      H319 Causes serious eye irritation.
      H336 May cause drowsiness or dizziness.
      H372 Causes damage to organs through prolonged or repeated exposure.
    - ***Precautionary statements***

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.

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P302+P352	If on skin: Wash with plenty of water.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- ***Other hazards***
  - ***Results of PBT and vPvB assessment***
    - ***PBT:*** Not applicable
    - ***vPvB:*** Not applicable
- ***Classification according to (d)(1)(ii) of § 1910.1200***
  The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
- ***Hazards not otherwise classified***
  There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

*
3 Composition/information on ingredients

- ***Chemical characterization: Mixtures***
  - ***Description:*** Mixture of the substances listed below with nonhazardous additions.
  - ***Dangerous components:***

CAS: 63148-69-6	Alkyd Resin Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H336	30 – 60%
CAS: 13463-67-7	titanium dioxide	5 – 10%
CAS: 14807-96-6	Soapstone Carcinogenicity 1A, H350; Specific target organ toxicity (repeated exposure) 1, H372	1 – 5%

4 First-aid measures

- ***Description of first aid measures***
  - ***General information:***
    Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
  - ***After inhalation:***
    In case of unconsciousness place patient stably in side position for transportation.
    Supply fresh air; consult doctor in case of complaints.
  - ***After skin contact:*** Immediately wash with water and soap and rinse thoroughly.
  - ***After eye contact:*** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - ***After swallowing:*** Immediately call a doctor.
- ***Most important symptoms and effects, both acute and delayed*** No further relevant information available.
- ***Indication of any immediate medical attention and special treatment needed*** No further relevant information available.

5 Fire-fighting measures

- ***Extinguishing media***
  - ***Suitable extinguishing agents:*** Use fire fighting measures that suit the environment.
- ***Special hazards arising from the substance or mixture*** No further relevant information available.
- ***Advice for firefighters***
  - ***Protective equipment:***
    Wear self-contained respiratory protective device.
    Wear fully protective suit.

6 Accidental release measures

- ***Personal precautions, protective equipment and emergency procedures***
  Ensure adequate ventilation
  Wear protective clothing.
- ***Environmental precautions:*** Do not allow to enter sewers/ surface or ground water.
- ***Methods and material for containment and cleaning up:***
  Dispose contaminated material as waste according to section 13.
  Ensure adequate ventilation.
  Dispose of the collected material according to regulations.

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- ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- ***Precautions for safe handling*** Ensure good ventilation/exhaustion at the workplace.
  - ***Information about protection against explosions and fires:*** No special measures required.
- ***Conditions for safe storage, including any incompatibilities***
  - ***Storage:***
    - ***Requirements to be met by storerooms and receptacles:*** No special requirements.
    - ***Information about storage in one common storage facility:*** Not required
    - ***Further information about storage conditions:*** Keep receptacle tightly sealed.
- ***Specific end use(s)*** No further relevant information available.

8 Exposure controls/personal protection

- ***Control parameters***
  - ***Components with limit values that require monitoring at the workplace:***
At this time, the remaining constituent has no known exposure limits.

CAS: 13463-67-7 titanium dioxide	
PEL	Long-term value: 15* mg/m³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 0.2* 2.5** mg/m³ resp. fraction, *nanoscale,**finescale, A3
CAS: 14807-96-6 Soapstone	
PEL	Long-term value: 20 mppcf ppm (containing <1% Quartz)
REL	Long-term value: 2* mg/m³ *respirable dust; and <1% Quartz
TLV	Long-term value: 2* mg/m³ *no asbestos fibers,resp. particulate matter,E,A4

  - ***Additional information:*** The lists that were valid during the creation were used as basis.

- ***Exposure controls***
  - ***Appropriate engineering controls*** No further data; see section 7.
  - ***Personal protective equipment:***
    - ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
    - ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
    - ***Protection of hands:***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
      - ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber, NBR
      - ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
    - ***Body protection:*** Protective work clothing

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* 9 Physical and chemical properties

- ***Information on basic physical and chemical properties***	
- ***General Information***	
- ***Physical state***	Solid
- ***Color:***	According to product specification
- ***Odor:***	Mild
- ***Odor threshold:***	Not determined
- ***Melting point/Melting range:***	Undetermined
- ***Boiling point/Boiling range:***	> 2,500 °C (> 36.500 °F)
- ***Flammability:***	Not determined
- ***Explosion limits:***	
- ***Lower:***	1.1 Vol %
- ***Upper:***	16.9 Vol %
- ***Flash point:***	Not applicable
- ***Auto igniting:***	325 °C (617 °F)
- ***Decomposition temperature:***	Not determined
- ***pH-value:***	Not applicable
- ***Viscosity:***	
- ***Kinematic at 40 °C (104 °F):***	300 mm²/s
- ***Dynamic:***	Not applicable
- ***Solubility in / Miscibility with***	
- ***Water:***	Insoluble.
- ***Partition coefficient (n-octanol/water):***	Not determined
- ***Vapor pressure:***	Not applicable
- ***Vapor pressure:***	
- ***Density at 20 °C (68 °F):***	~ 1.25 g/cm³ (~ 10.43125 lbs/gal)
- ***Relative density***	Not determined
- ***Vapor density***	Not applicable
- ***Particle characteristics***	Not determined
- ***Other information***	
- ***Appearance:***	
- ***Form:***	Solid material
- ***Important information on protection of health and environment, and on safety.***	
- ***Ignition temperature:***	Product is not selfigniting.
- ***Danger of explosion:***	Product does not present an explosion hazard.
- ***Solvent content:***	
- ***Organic solvents:***	0.5 %
- ***VOC content:***	0.51 %
- ***Solids content:***	85.0 %
- ***Change in condition***	
- ***Evaporation rate***	Not applicable.

10 Stability and reactivity

- ***Reactivity*** No further relevant information available.
- ***Chemical stability***
  - ***Thermal decomposition / conditions to be avoided:*** No decomposition if used according to specifications.
- ***Possibility of hazardous reactions*** No dangerous reactions known.
- ***Conditions to avoid*** No further relevant information available.
- ***Incompatible materials:*** No further relevant information available.
- ***Hazardous decomposition products:*** No dangerous decomposition products known.

* 11 Toxicological information

- ***Information on toxicological effects***
  - ***Acute toxicity:***

- ***LD/LC50 values that are relevant for classification:***

CAS: 13463-67-7 titanium dioxide		
Oral	LD50	> 20,000 mg/kg (rat)
Dermal	LD50	> 10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 6.82 mg/l (rat)

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- ***Primary irritant effect:***
  - ***on the skin:*** Irritant to skin and mucous membranes.
  - ***on the eye:*** Irritating effect.
- ***Sensitization:*** No sensitizing effects known.
- ***Additional toxicological information:***
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
- ***Interactive effects*** No interactive effects between components are known.
- ***Carcinogenic categories***

- *IARC (International Agency for Research on Cancer)*		
CAS: 9002-84-0	Polytetrafluoroethylene	3
CAS: 13463-67-7	titanium dioxide	2B
CAS: 14807-96-6	Soapstone	2A

- *NTP (National Toxicology Program)*
None of the ingredients is listed.

- *OSHA-Ca (Occupational Safety & Health Administration)*
None of the ingredients is listed.

- ***Alternative sources for toxicological information*** No non-standard sources for toxicological information where used.

12 Ecological information

- ***Toxicity***
  - ***Aquatic toxicity:*** No further relevant information available.
- ***Persistence and degradability*** No further relevant information available.
- ***Bioaccumulative potential*** No further relevant information available.
- ***Mobility in soil*** No further relevant information available.
- ***Results of PBT and vPvB assessment***
  - ***PBT:*** Not applicable
  - ***vPvB:*** Not applicable
- ***Other adverse effects***
  - ***Additional ecological information:***
    - ***General notes:***
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

- ***Waste treatment methods***
  - ***Recommendation:*** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - ***Uncleaned packagings:***
    - ***Recommendation:*** Disposal must be made according to official regulations.

14 Transport information

- ***UN-Number***	
- ***DOT, ADN, IMDG, IATA***	not regulated
- ***UN proper shipping name***	
- ***DOT, ADN, IMDG, IATA***	not regulated
- ***Transport hazard class(es)***	
- ***DOT, ADN, IMDG, IATA***	
- ***Class***	not regulated
- ***Packing group***	
- ***DOT, IMDG, IATA***	not regulated
- ***Environmental hazards:***	
- ***Marine pollutant:***	No
- ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code***	Not applicable
- ***Special precautions for user***	Not applicable

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- ***UN "Model Regulation":***	not regulated

15 Regulatory information

- ***Safety, health and environmental regulations/legislation specific for the substance or mixture***
  - ***Sara***

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):

1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde	ACTIVE
Polytetrafluoroethylene	ACTIVE
Polypropylene-graft-maleic anhydride	ACTIVE
titanium dioxide	ACTIVE
Soapstone	ACTIVE
Dipropylene glycol monomethyl ether	ACTIVE
Colorant	ACTIVE
Silicon dioxide, amorphous	ACTIVE
Poly(ethylene glycol) (12) tridecyl ether	ACTIVE

- Hazardous Air Pollutants

None of the ingredients is listed.

- ***Proposition 65***

- Chemicals known to cause cancer:

CAS: 13463-67-7	titanium dioxide

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- ***Carcinogenic categories***

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

CAS: 13463-67-7	titanium dioxide	A4
CAS: 14807-96-6	Soapstone	A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)

CAS: 13463-67-7	titanium dioxide

- ***Chemical safety assessment:*** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- ***Department issuing SDS:*** H.B. Fuller Company | ND Industries Health and Environmental Affaires
- ***Contact:*** Safety, Health and Environmental Affaires
- ***Classification System:***
  - ***HMIS-ratings (scale 0 - 4)***

Health = *2
Fire = 0
Reactivity = 0

  - ***NFPA ratings (scale 0 - 4)***

Health = 2
Fire = 0
Reactivity = 0

  - ***Date of previous version*** 02/22/2024

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- ***Version number of previous version:*** 22
- ***Date of preparation*** 07/23/2026
- ***Abbreviations and acronyms:***

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
Carcinogenicity 1A: Carcinogenicity – Category 1A
Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

- **** Data compared to the previous version altered.***
- ***Disclaimer***

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