

Safety Data Sheet acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

1 Identification

- Product identifier

- **Trade name:** ND Microspheres TA Series

- **Synonyms:** TA300-applied

- Other means of identification

- **Part number:** TA300-applied

- **Application of the substance / the mixture** Thread Locking

- 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



GHS07

Skin irritation 2 H315 Causes skin irritation.
Eye irritation 2A H319 Causes serious eye irritation.
Sensitization - skin 1 H317 May cause an allergic skin reaction.

- Label elements

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

- Hazard pictograms



GHS07

- **Signal word** Warning

- Hazard-determining components of labeling:

(1-methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediyl) bismethacrylate
2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl] diacrylate
1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione
benzoyl peroxyde

- Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

- Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P302+P352 If on skin: Wash with plenty of water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 1)

P321 Specific treatment (see on this label).
 P337+P313 If eye irritation persists: Get medical advice/attention.
 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: 24448-20-2	(1-methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediy) bismethacrylate Skin irritation 2, H315; Eye irritation 2A, H319; Sensitization - skin 1B, H317	15 – 40%
CAS: 25036-13-9	Polyoxymethylene melamine urea Skin irritation 2, H315	10 – 30%
CAS: 9003-63-8	Acrylic Polymer Combustible Dust	7 – 13%
CAS: 8002-74-2	Paraffin wax Combustible Dust	5 – 10%
CAS: 60506-81-2	2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate Eye irritation 2A, H319; Sensitization - skin 1, H317	3 – 7%
CAS: 3006-93-7	1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione Acute toxicity - inhalation 1, H330; Acute toxicity - oral 4, H302; Sensitization - skin 1A, H317	1 – 5%
	Rubber Combustible Dust	1 – 5%
CAS: 613-48-9	N,N-Diethyl-P-Toluidine Acute toxicity - oral 3, H301; Acute toxicity - dermal 3, H311; Acute toxicity - inhalation 3, H331; Specific target organ toxicity (repeated exposure) 2, H373; Eye irritation 2A, H319; Flammable liquids 4, H227	0.1 – 1%
CAS: 94-36-0	benzoyl peroxyde Organic peroxides - Type B, H241; Eye irritation 2A, H319; Sensitization - skin 1, H317	0.1 – 1%

4 First-aid measures

- Description of first aid measures

- General information:

Immediately remove any clothing soiled by the product.
 Remove breathing apparatus only after contaminated clothing have been completely removed.
 In case of irregular breathing or respiratory arrest provide artificial respiration.

- After inhalation:

Supply fresh air or oxygen; call for doctor.
 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:

If symptoms persist consult 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:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Special hazards arising from the substance or mixture

No further relevant information available.

- Advice for firefighters

- Protective equipment:

Mouth respiratory protective device.
 Wear self-contained respiratory protective device.
 Wear fully protective suit.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 2)

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:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

- 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.

Open and handle receptacle with care.

Prevent formation of aerosols.

No special precautions are necessary if used correctly.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.

- 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.

Store in cool, dry conditions in well sealed receptacles.

- 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:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

CAS: 8002-74-2 Paraffin wax

REL Long-term value: 2 mg/m³TLV Long-term value: 2 mg/m³

- **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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

- Breathing equipment:

Not required

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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 3)

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.

- Eye protection: Required use of safety glasses**- Body protection:** Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties**- General Information****- Physical state**

Liquid

- Color:

According to product specification

- Odor:

Characteristic

- Odor threshold:

Not determined

- Melting point/Melting range:

Undetermined

- Boiling point/Boiling range:

≥ 170 °C (≥ 338 °F)

- Flammability:

Not applicable

- Explosion limits:**- Lower:**

Not determined

- Upper:

Not determined

- Flash point:

≥ 95 °C (≥ 203 °F)

- Decomposition temperature:

Not determined

- pH-value:

Not determined

- Viscosity:**- Kinematic:**

Not determined

- Dynamic:

Not determined

- Solubility in / Miscibility with**- Water:**

Not miscible or difficult to mix.

- Partition coefficient (n-octanol/water):

Not determined

- Vapor pressure:

Not determined

- Vapor pressure:**- Density:**

Not determined

- Relative density

Not determined

- Vapor density

Not determined

- Particle characteristics

Not applicable

- Other information**- Appearance:****- Form:**

Fluid

- 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:**- Water:**

0.3 %

- VOC content:

0.00 %

0.0 g/l / 0.00 lb/gal

- Solids content:

52.6 %

- Change in condition**- Evaporation rate**

Not determined

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:**

Aldehyde

Hydrocarbons

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 4)

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	7,886 mg/kg
Dermal	LD50	48,387 mg/kg
Inhalative	LC50/4 h	484 mg/l

CAS: 3006-93-7 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione

Oral	LD50	500 mg/kg (ATE)
Inhalative	LC50/4 h	0.005 mg/l (ATE)

CAS: 613-48-9 N,N-Diethyl-P-Toluidine

Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	3 mg/l (ATE)

- Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Irritant

- **Interactive effects** No interactive effects between components are known.

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

CAS: 9003-01-4	2-propenoic acid, homopolymer	3
CAS: 13463-67-7	titanium dioxide	2B
CAS: 94-36-0	benzoyl peroxyde	3
CAS: 79-10-7	acrylic acid	3
CAS: 7631-86-9	Silicon dioxide, Untreated fumed	3

- 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.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 5)

- **Uncleaned packagings:**- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- UN-Number - DOT, IMDG, IATA	not regulated
- UN proper shipping name - DOT, IMDG, IATA	not regulated
- Transport hazard class(es) - DOT, ADN, IMDG, IATA - Class	not regulated
- Packing group - DOT, IMDG, IATA	not regulated
- Environmental hazards:	Not applicable
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
- Special precautions for user	Not applicable
- 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):**

CAS: 94-36-0 benzoyl peroxyde

CAS: 79-10-7 acrylic acid

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

CAS: 79-10-7 acrylic acid

- **Proposition 65**- **Chemicals known to cause cancer:**

Rubber

- **Chemicals known to cause reproductive toxicity for females:**

Rubber

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

Rubber

- **Carcinogenic categories**- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

CAS: 13463-67-7 titanium dioxide

A4

CAS: 94-36-0 benzoyl peroxyde

A4

CAS: 79-10-7 acrylic acid

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.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

Trade name: ND Microspheres TA Series

(Contd. of page 6)

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	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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

2	1	0	Health = 2
			Fire = 1
			Reactivity = 0

- **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

Flammable liquids 4: Flammable liquids – Category 4

Organic peroxides - Type B: Organic peroxides – Type B

Acute toxicity - oral 3: Acute toxicity – Category 3

Acute toxicity - oral 4: Acute toxicity – Category 4

Acute toxicity - inhalation 1: Acute toxicity – Category 1

Skin irritation 2: Skin corrosion/irritation – Category 2

Eye irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - skin 1: Skin sensitisation – Category 1

Sensitization - skin 1A: Skin sensitisation – Category 1A

Sensitization - skin 1B: Skin sensitisation – Category 1B

Specific target organ toxicity (repeated exposure) 2: Specific target organ toxicity (repeated exposure) – Category 2

- **Disclaimer**

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