

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

1 Identification

- Product identifier

- **Trade name:** Vibra-TITE® SuperGlue
- **Synonyms:** 360 Low Odor & Low Bloom - General Purpose - Clear
- **Part number:** VT360
- **CAS Number:** 27816-23-5
- **Application of the substance / the mixture** Adhesives

- Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**
ND Industries, Inc
1000 North Crooks Road
Clawson, MI 48017
USA
Telephone: +1-248-288-0000
Email: info@ndindustries.com
Website: www.ndindustries.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

Flam. Liq. 4 H227 Combustible liquid.

- Label elements

- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
H227 Combustible liquid.
- **Precautionary statements**
P210 Keep away from flames and hot surfaces. – No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Information pertaining to particular dangers for man and environment:

Cyanacrylate. DANGER. Glues skin and eyelids within seconds. Should be kept out of children's reach.

- Classification system:

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



- Other hazards

- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

*** 3 Composition/information on ingredients**

- Chemical characterization: Substances

- **CAS No. Description**
27816-23-5 2-Methoxyethyl 2-Cyanoacrylate

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

Trade name: Vibra-TITE® SuperGlue

(Contd. of page 1)

- **Dangerous components:** Void

* 4 First-aid measures

- Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call a doctor immediately.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed** Breathing difficulty
 - **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Nitrogen oxides (NO_x)
- **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:

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

Allow to solidify. Pick up mechanically.

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

- Handling:

- Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Keep away from heat and direct sunlight.

- **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:

Store in a cool location.

Store only in the original receptacle.

- **Information about storage in one common storage facility:** Store away from oxidizing agents.

- **Further information about storage conditions:** None.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- Control parameters

- **Components with limit values that require monitoring at the workplace:** Not required.

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

- Exposure controls

- Personal protective equipment:

- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.- **Breathing equipment:** Not necessary if room is well-ventilated.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

Trade name: Vibra-TITE® SuperGlue

(Contd. of page 2)

- Protection of hands:

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.

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.

- Not suitable are gloves made of the following materials: PVC gloves

- Eye protection: Goggles recommended during refilling.

- Body protection: Protective work clothing

* 9 Physical and chemical properties

- Information on basic physical and chemical properties	
- General Information	
- Appearance:	
- Form:	Liquid
- Color:	Clear
- Odor:	Characteristic
- Odor threshold:	Not determined.
- pH-value:	Not determined.
- Change in condition	
- Melting point/Melting range:	Undetermined.
- Boiling point/Boiling range:	244 °C (471.2 °F)
- Flash point:	93 °C (199.4 °F)
- Flammability (solid, gaseous):	Not applicable.
- Decomposition temperature:	Not determined.
- Auto igniting:	Not determined.
- Danger of explosion:	Not determined.
- Explosion limits:	
- Lower:	Not determined.
- Upper:	Not determined.
- Vapor pressure at 25 °C (77 °F):	0.2 hPa (0.2 mm Hg)
- Density at 20 °C (68 °F):	1.1 g/cm ³ (9.1795 lbs/gal)
- Relative density	Not determined.
- Vapor density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with	
- Water:	Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
- Dynamic at 20 °C (68 °F):	50 mPas
- Kinematic at 40 °C (104 °F):	40 – 80 mm ² /s
- VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
- Solids content:	100.0 %
- Other information	No further relevant information available.

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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

Trade name: Vibra-TITE® SuperGlue

(Contd. of page 3)

- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- Primary irritant effect:

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- Additional toxicological information:

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

Substance is not listed.

- NTP (National Toxicology Program)

Substance is not listed.

- OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information

- Toxicity

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- Behavior in environmental systems:

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- Additional ecological information:

- **General notes:** Not hazardous for water.

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

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

NA1993

- ADN, IMDG, IATA

not regulated

- UN proper shipping name

- DOT

COMBUSTIBLE LIQUID, N.O.S

- ADN, IMDG, IATA

not regulated

- Transport hazard class(es)

- DOT, ADN, IMDG, IATA

- Class

not regulated

- Packing group

- DOT

III

- IMDG, IATA

not regulated

- Environmental hazards:

- Marine pollutant:

No

- Special precautions for user

Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

Trade name: Vibra-TITE® SuperGlue

(Contd. of page 4)

- Transport/Additional information:	
- DOT	
- Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
- 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):
Substance is not listed.
- Section 313 (Specific toxic chemical listings):
Substance is not listed.
- TSCA (Toxic Substances Control Act):
Substance is listed.
- Hazardous Air Pollutants
Substance is not listed.
- Proposition 65
- Chemicals known to cause cancer:
Substance is not listed.
- Chemicals known to cause reproductive toxicity for females:
Substance is not listed.
- Chemicals known to cause reproductive toxicity for males:
Substance is not listed.
- Chemicals known to cause developmental toxicity:
Substance is not listed.
- Carcinogenic categories
- EPA (Environmental Protection Agency)
Substance is not listed.
- TLV (Threshold Limit Value established by ACGIH)
Substance is not listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
Substance is not listed.
- 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:** ND Industries, Inc. - Safety, Health and Environmental Affairs

- **Contact:** Safety, Health and Environmental Affaires

- **Date of preparation / last revision** 03/06/2019 / 20

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 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)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 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
 Flam. Liq. 4: Flammable liquids – Category 4

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

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/06/2019

Reviewed on 01/03/2018

Trade name: Vibra-TITE® SuperGlue

(Contd. of page 5)

- Disclaimer

The information set forth is based on information that ND Industries, Incorporated believes to be accurate. No warranty, expressed or implied, is intended. The information is provided solely for your information and consideration and ND Industries Inc. assumes no legal responsibility for use or reliance thereon. In the event of a discrepancy between the information on the non-English document and its English counterpart, the English version shall supersede.

®ND and ND Industries, Inc. are registered trademarks of ND Industries Incorporated,
®Vibra-TITE is a registered trademark of ND Industries, Inc.