



Safety Data Sheet

acc. to OSHA HCS

Printing date 01/23/2024

Reviewed on 09/13/2023

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1 Identification

- Product identifier

- Trade name: Vibra-TITE® Specialty Products

- Synonyms: Viz-Torque 202 Red
- Part number: VT2024
- Application of the substance / the mixture Assembly adhesive

- 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



H225 Highly flammable liquid and vapor.



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



- Signal word Danger
- Hazard-determining components of labeling:
- isopropanol
- Hazard statements
- H225 Highly flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- Precautionary statements
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P280 Wear eye protection / face protection.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P33	38 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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
er hazards	

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- Description: Mixture of the substances listed below with nonhazardous additions.

	Acrylic polymer	20 – 29%
	Combustible Dust	-
CAS: 1332-58-7	Kaolin	20 – 29%
CAS: 616-38-6	dimethyl carbonate	20 - 29%
	Flammable Liquids 2, H225	-
CAS: 67-63-0	isopropanol	20 – 29%
	Flammable Liquids 2, H225; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	-

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. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for 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.
- For safety reasons unsuitable extinguishing agents: Water
- 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
- Wear protective equipment. Keep unprotected persons away. 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:
- Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
- 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.

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7 Handling and storage

- Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- *Information about protection against explosions and fires:* Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- 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

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

- Control parameters

- Components with limit values that require monitoring at the workplace:

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

CAS	: 1332-58-7 Kaolin
PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; as respirable fraction, A4
CAS	: 67-63-0 isopropanol
PEL	Long-term value: 980 mg/m³, 400 ppm
REL	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
	- Ingredients with biological limit values:
CAS	: 67-63-0 isopropanol
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

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

- Exposure controls

- 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.

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.

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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

Information on basis abusisal and ab	nomical proportion
Information on basic physical and ch - General Information	iemical properties
- Appearance:	
- Form:	Liquid
- Color:	Liquid Red
- Odor:	Alcohol-like
- Odor threshold:	Not determined.
- pH-value:	Not determined.
- Change in condition	Not dotominou.
- Melting point/Melting range:	Undetermined.
- Boiling point/Boiling range:	≥ 82 °C (≥ 179.6 °F)
- Flash point:	13 °C (55.4 °F)
- Flammability (solid, gaseous):	Highly flammable.
- Auto igniting:	425 °C (797 °F)
- Decomposition temperature:	Not determined.
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	
- Daliger of explosion.	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- Explosion limits:	
- Lower:	2 Vol %
- Upper:	12 Vol %
- Vapor pressure at 20 °C (68 °F):	≤ 56 hPa (≤ 42 mm Hg)
- Density at 20 °C (68 °F):	~ 1.32106 g/cm³ (~ 11.02425 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/wa	ater): Not determined.
- Viscosity:	
- Dynamic:	Not determined.
- Kinematic:	Not determined.
- Solvent content:	
- Organic solvents:	21.5 %
- VOC content:	21.45 %
-	~ 283.4 g/l / ~ 2.36 lb/gal
- Solids content:	26.3 %
• 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.

- Hazardous decomposition products: No dangerous decomposition products known.

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11 Toxicological information Information on toxicological effects - Acute toxicity: - LDLC50 values that are relevant for classification: CAS: 616-34 dimetry classifications - Primary inriant effect: - on the systimating effect: - on the systimation: - Additional toxicology Program - (AEC (International Agency for Research on Cancer) CAS: 67-83-0 isopropanol - OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed Devicity - Aquatic toxicity: No further relevant information available Persistence and diggradability to further relevant information available Persistence and disgradability to further relevant information available Persistence and disgradability to further relevant information available Persistence			• •	(Contd. of pag
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Inhalative LC604 h 30 mg/l (rat) - Primary irritant effect: - on the skin: No irritant effect. - on the skin: No irritant effect. - Sensitization: No sensitizing effects known. - Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant - Carcinogenic categories - IARC (International Agency for Research on Cancer) CAS: 67-63-0 isopropanol - NTP (National Toxicology Program) None of the ingredients is listed. - OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed. 12 Ecological information - Toxicity - Aquatic toxicity: No further relevant information available. - Persistence and degradability 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. - Wast hazard class i (Self-assessment): slightly hazardous for water Do not allow unditude products i rage quantities of it to reach ground water, water course or sewage system. - PPSI: Not applicable. - PPDSI: Not applicable. - PPDSI: Not applicable. - PPDSI: Not applicable. - Wasts treatment methods - Recommendation: Must not be disposed of together with hou				
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- NTP (National Toxicology Program) None of the ingredients is listed. - OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed. - Zecological information - Toxicity - Aquatic toxicity: No further relevant information available. - Persistence and degradability No further relevant information available. - Persistence and degradability 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. - Mobility in soil No further relevant information available. - Additional ecological information: - General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. - PBT: Not applicable. - vPVB: Not applicable. - VPUB: Not applicable. - VPUD: NUBCR - Recommendation: Disposal must be made according to	040.07	-		
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OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed. I2 Ecological information · Toxicity · Aquatic toxicity: No further relevant information available. · Persistence and degradability 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: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. · PBT: Not applicable. · VPVB: Not applicable. · VPVB: Not applicable. · VPVB: Not applicable. · Uncleaned packagings: · 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. // Transport information · UN-Number · DOT, IMDG, IATA UN139		- NTP (N	lational Toxicology Prog	gram)
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- DOT Coating solution				
			ing name	Coating solution
				COATING SOLUTION

(Contd. of page 5)

Printing date 01/23/2024

Trade name: Vibra-TITE® Specialty Products

Reviewed on 09/13/2023

- Transport hazard class(es)	
- DOT	
- Class - Label	3 Flammable liquids 3
- IMDG, IATA	
- Class - Label	3 Flammable liquids 3
- Packing group - DOT, IMDG, IATA	II
- Environmental hazards:	Not applicable.
 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category 	Warning: Flammable liquids 33 F-E, <u>S-E</u> B
 Transport in bulk according to Annex II of MARPOL73/7 and the IBC Code 	78 Not applicable.
- Transport/Additional information:	
- DOT	
- Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
- IMDG - Limited quantities (LQ) - Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation":	UN 1139 COATING SOLUTION, 3, II
15 Regulatory information	
 Safety, health and environmental regulations/legislation No further relevant information available. Sara 	·
- Section 355 (extremely hazardous substance: None of the ingredients is listed.	s):
- Section 313 (Specific toxic chemical listings):	•
CAS: 67-63-0 isopropanol	
- TSCA (Toxic Substances Control Act):	
All components have the value ACTIVE.	
- Hazardous Air Pollutants	
None of the ingredients is listed.	
- Proposition 65	
- Chemicals known to cause cancer: None of the ingredients is listed.	
- Chemicals known to cause reproductive toxic	situ for famalas
None of the ingredients is listed.	ny to tellales.
- Chemicals known to cause reproductive toxic	city for males:
None of the ingredients is listed.	······································
<u> </u>	(Contd. on page 7)

Safety Data Sheet acc. to OSHA HCS

Printing date 01/23/2024

Trade name: Vibra-TITE® Specialty Products

(Contd. of page 6)

Reviewed on 09/13/2023

		(Conta: of page o)
- Che	emicals known to cause developmental toxicity:	
None of the ingr	redients is listed.	
- Carcin	ogenic categories	
- EP/	A (Environmental Protection Agency)	
None of the ingr	redients is listed.	
- <i>TL</i> \	/ (Threshold Limit Value)	
CAS: 1332-58-7	Kaolin	A4
CAS: 67-63-0	isopropanol	A4
- NIC	SH-Ca (National Institute for Occupational Safety and Healt	h)

None of the ingredients is 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 Affaires
- Contact: Safety, Health and Environmental Affaires

- Classification System:

- HMIS-ratings (scale 0 - 4)

ALTH ² Health = 2 3 Fire = 3 REACTIVITY O Reactivity = 0

- NFPA ratings (scale 0 - 4)



- Date of preparation / last revision 01/23/2024

- Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

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

BEI: Biological Exposure Limit

Flammable Liquids 2: Flammable liquids – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

- * Data compared to the previous version altered.

- Disclaimer

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