01/23/2024	Kit Components	
Product code	Description	
VT912	Vibra-TITE® Epoxy 912 Oil Field Thread Sealing Epoxy	
Components:		
VT912A-OBSOLETE	Vibra-TITE® Epoxy	

Vibra-TITE® Epoxy

VT912B-OBSOLETE





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# Safety Data Sheet acc. to OSHA HCS

Printing date 01/23/2024 Reviewed on 01/23/2024

# 1 Identification

## - Product identifier

- Trade name: Vibra-TITE® Epoxy

- Synonyms: 912 Oil Field Thread Sealing Epoxy - Part A

- Part number: VT912A-OBSOLETE

- 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



GHS08 Health hazard

Carcinogenicity 1A H350 May cause cancer.

Specific Target Organ Toxicity - Repeated Exposure 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS07

Skin Irritation 2

Eye Irritation 2A

Sensitization - Skin 1

Specific Target Organ Toxicity - Single Exposure 3

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

## 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:

Bisphenol-A epoxy resin Soapstone Epoxy resin Crystalline Silica d-limonene

# - Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H335 May cause respiratory irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

# - Precautionary statements

P201

Obtain special instructions before use.

Printing date 01/23/2024 Reviewed on 01/23/2024

# Trade name: Vibra-TITE® Epoxy

(Contd. of page 1) P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash 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/protective clothing/eye protection/face protection. P280 Wear protective gloves. P280 Wear eye protection / face protection. 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. P308+P313 IF exposed or concerned: Get medical advice/attention. P312 Call a poison center/doctor if you feel unwell. 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. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment (see on this label). P337+P313 If eye irritation persists: Get medical advice/attention. P363 Wash contaminated clothing before reuse. 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.

# 3 Composition/information on ingredients

# - Chemical characterization: Mixtures

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

- Dangerous	components:	
CAS: 25068-38-6	Bisphenol-A epoxy resin Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity	29.78%
CAS: 28064-14-4	- Single Exposure 3, H335 Epoxy resin	10 – 19%
	Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335	
CAS: 14807-96-6	Soapstone	9.52%
	Carcinogenicity 1A, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372	
CAS: 5989-27-5	d-limonene	5 – 9%
	Flammable Liquids 3, H226; Aspiration Hazard 1, H304; Skin Irritation 2, H315; Sensitization - Skin 1B, H317	
CAS: 14808-60-7	Crystalline Silica	4.94%
	Carcinogenicity 1A, H350; Specific Target Organ Toxicity - Repeated Exposure 1, H372	
CAS: 30499-70-8	Trimethylolpropane triglycidyl ether	1 – 4%
	Skin Corrosion 1C, H314; Eye Damage 1, H318	

# 4 First-aid measures

# - Description of first aid measures

# - After inhalation:

Supply fresh air and to be sure call for a 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.
- 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.
- Special hazards arising from the substance or mixture No further relevant information available.

# Safety Data Sheet

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Trade name: Vibra-TITE® Epoxy

(Contd. of page 2)

# - 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:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

# - Methods and material for containment and cleaning up:

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

# - Handling:

## - Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- 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

- 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:

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: 14808-60-7 Crystalline Silica PEL Long-term value: 0.05\* mg/m³ \*resp. dust; 30mg/m3/%SiO2+2 Long-term value: 0.05\* mg/m³ \*respirable dust; See Pocket Guide App. A TLV Long-term value: 0.025\* mg/m³ \*respirable particulate matter, A2

- 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 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:



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

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Trade name: Vibra-TITE® Epoxy

(Contd. of page 3)

# - 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.

- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR

- Body protection: Protective work clothing

# 9 Physical and chemical properties

9 Physical and chemical properties	
- Information on basic physical and ch - General Information - Appearance:	nemical properties
- Form:	Viscous
- Color:	Grey
- Odor:	Fruit-like
- Odor threshold:	Not determined.
- pH-value:	Not determined.
<ul> <li>Change in condition</li> <li>Melting point/Melting range:</li> <li>Boiling point/Boiling range:</li> </ul>	Undetermined. ≥ 173 °C (≥ 343.4 °F)
- Flash point:	98 °C (208.4 °F)
- Flammability (solid, gaseous):	Not applicable.
- Decomposition temperature:	Not determined.
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	Product does not present an explosion hazard.
- Explosion limits: - Lower: - Upper:	Not determined. Not determined.
- Vapor pressure at 20 °C (68 °F):	n.a. hPa
- Density:	Not determined.
- Relative density	Not determined.
- Vapor density	Not determined.
- Evaporation rate	Not determined.
<ul> <li>Solubility in / Miscibility with</li> <li>Water:</li> </ul>	Not miscible or difficult to mix.
- Partition coefficient (n-octanol/wa	ater): Not determined.
- Viscosity: - Dynamic at 20 °C (68 °F): - Kinematic:	115,000 mPas Not determined.
	rect determined.
- Solvent content: - Organic solvents:	7 0 0/
- VOC content:	7.0 % 7.00 %
voc content.	7.00 % 70.0 g/l / 0.58 lb/gal
- Solids content:	42.2 %
- 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.

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Trade name: Vibra-TITE® Epoxy

- Hazardous decomposition products: No dangerous decomposition products known.

(Contd. of page 4)

# 11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:

CAS: 5989-27-5 d-limonene
Oral LD50 4,400 mg/kg (rat)

- 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: Irritant

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)	
CAS: 14807-96-6   Soapstone	3
CAS: 5989-27-5 d-limonene	3
CAS: 14808-60-7 Crystalline Silica	1
- NTP (National Toxicology Program)	
CAS: 14808-60-7 Crystalline Silica	K
- 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.
- Behavior in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
- Ecotoxical effects:
  - Remark: Very toxic for fish
- Additional ecological information:
  - General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

# - 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, IMDG, IATA

UN3082

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Trade name: Vibra-TITE® Epoxy

(Contd. of page 5)

- UN proper shipping name - DOT - IMDG	Environmentally hazardous substance, liquid, n.o.s. (Dipentene, bisphenol-A-(epichlorhydrin); epoxy resin) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, bisphenol-A-(epichlorhydrin); epoxy resin), MARINE POLLUTANT
- IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, bisphenol-A-(epichlorhydrin); epoxy resin)
- Transport hazard class(es)	
- DOT, IMDG, IATA	
- Class - Label	<ul><li>9 Miscellaneous dangerous substances and articles</li><li>9</li></ul>
- Packing group - DOT, IMDG, IATA	III
- Environmental hazards:	Product contains environmentally hazardous substances: d- limonene
- Marine pollutant:	Yes Symbol (fish and tree)
- Special marking (IATA):	Symbol (fish and tree)
<ul> <li>Special precautions for user</li> <li>Hazard identification number (Kemler code):</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F A
- Transport in bulk according to Annex II of MARPOL73/ and the IBC Code	/78 Not applicable.
- Transport/Additional information:	
- DOT - Quantity limitations	On passenger aircraft/rail: 450 L On cargo aircraft only: 450 L
- Remarks:	Special marking with the symbol (fish and tree).
- IMDG - Limited quantities (LQ) - Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DIPENTENE, BISPHENOL-A- (EPICHLORHYDRIN); EPOXY RESIN), 9, III

# \*15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

- Sara

	our a
	- Section 355 (extremely hazardous substances):
Nor	ne of the ingredients is listed.
	- Section 313 (Specific toxic chemical listings):
Nor	ne of the ingredients is listed.
	- TSCA (Toxic Substances Control Act):
All	components have the value ACTIVE.
	- Hazardous Air Pollutants
Nor	ne of the ingredients is listed.
	(Contd. on page 7)

(Contd. on page 7)

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- Proposition 65

(Contd. of page 6)

- Chemicals known to cause cancer:		
	Calcium Silicate	
CAS: 14808-60-7	Crystalline Silica	
- Chemicals known to cause reproductive toxicity for females:		
Calcium Silicate		
- Chemicals known to cause reproductive toxicity for males:		
Calcium Silicate		
- Chemicals known to cause developmental toxicity:		
Calcium Silicate		

# - Carcinogenic categories

- EPA (Environmental Protection Agency)	
CAS: 7440-66-6 zinc powder -zinc dust (stabilized)	II
- TLV (Threshold Limit Value)	
CAS: 14807-96-6   Soapstone	A4
CAS: 14808-60-7 Crystalline Silica	A2
- NIOSH-Ca (National Institute for Occupational Safety and Health)	
CAS: 14808-60-7 Crystalline Silica	

- 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)



- NFPA ratings (scale 0 - 4)



Health = 2 Fire = 1Reactivity = 0

# 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

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 3: Flammable liquids – Category 3

Skin Corrosion 1C: Skin corrosion/irritation – Category 1C
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A Sensitization - Skin 1: Skin sensitisation – Category 1

Sensitization - Skin 1: Skin sensitisation - Category 1
Sensitization - Skin 18: Skin sensitisation - Category 18
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
Aspiration Hazard 1: Aspiration hazard - Category 1

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

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

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Trade name: Vibra-TITE® Epoxy

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# Safety Data Sheet acc. to OSHA HCS

Printing date 01/23/2024 Reviewed on 01/23/2024

# 1 Identification

## - Product identifier

- Trade name: Vibra-TITE® Epoxy

- Synonyms: 912 Oil Field Thread Sealing Epoxy - Part B

- Part number: VT912B-OBSOLETE

- 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

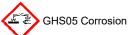
- Information department: Product Safety Department

- Emergency telephone number:

United States: 1-800-424-9300 International: +1-703-527-3887

# 2 Hazard(s) identification

# - Classification of the substance or mixture



Eye Damage 1 H318 Causes serious eye damage.



Skin Irritation 2 H315 Causes skin 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





GHS05 GHS07

- Signal word Danger

# - Hazard-determining components of labeling:

triethylenetetramine

# - Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

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.

P310 Immediately call a poison center/doctor. P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. of page 1)

# Safety Data Sheet

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Trade name: Vibra-TITE® Epoxy

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

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.

# 3 Composition/information on ingredients

# - CAS No. Description

**Epoxy Curing Agent** 

# - Chemical characterization: Mixtures

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

- Dangerous	components:	
	Triethylenetetramine,propoxylated Eye Irritation 2A, H319	90 – 100%
CAS: 112-24-3	triethylenetetramine Skin Corrosion 1B, H314; Acute Toxicity - Dermal 4, H312; Sensitization - Skin 1, H317	1 – 4%

# 4 First-aid measures

# - Description of first aid measures

# - After inhalation:

Supply fresh air and to be sure call for a 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.
- 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: 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:

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

# - Handling:

# - Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- Information about protection against explosions and fires: No special measures required.

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Trade name: Vibra-TITE® Epoxy

(Contd. of page 2)

- 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:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

## CAS: 112-24-3 triethylenetetramine

WEEL Long-term value: 6 mg/m³, 1 ppm

- 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.

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.
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
- Body protection: Protective work clothing

# 9 Physical and chemical properties

- Information on basic physical and ch - General Information	emical properties	
- Appearance:		
- Form:	Fluid	
- Color:	Amber colored	
- Odor:	Characteristic	
- Odor threshold:	Not determined.	
- pH-value:	Not determined.	
<ul> <li>Change in condition</li> <li>Melting point/Melting range:</li> <li>Boiling point/Boiling range:</li> </ul>	Undetermined. ≥ 266.5 °C (≥ 511.7 °F)	
- Flash point:	175 °C (347 °F)	
- Flammability (solid, gaseous):	Not applicable.	
- Decomposition temperature:	Not determined.	

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Trade name: Vibra-TITE® Epoxy

(Contd. of page 3)

(Some or pag
Product is not selfigniting.
Product does not present an explosion hazard.
Not determined.
Not determined.
Not determined.
~ 1.02 g/cm³ (~ 8.5119 lbs/gal)
Not determined.
Not determined.
Not determined.
Not miscible or difficult to mix.
vater): Not determined.
Not determined.
Not determined.
0.00 %
0.0 g/l / 0.00 lb/gal
0.0 %
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.

# 11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:

- LD/LC50 values that are relevant for classification:
ATE (Acute Toxicity Estimate)
Dermal LD50 20,125 mg/kg (rabbit)

CAS: 112-24-3 triethylenetetramine Oral LD50 2,500 mg/kg (rat) Dermal LD50 805 mg/kg (rabbit)

- Primary irritant effect:
  - on the skin: No irritant effect. - 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: Irritant

- Carcinogenic categories

None of the ingredients is listed.

our emogenic categories	
- IARC (International Agency for Research on Cancer)	
None of the ingredients is listed.	
- NTP (National Toxicology Program)	
None of the ingredients is listed.	
- OSHA-Ca (Occupational Safety & Health Administration)	

# Safety Data Sheet

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# 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:

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.

- 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, ADN, IMDG, IATA	not regulated
, , ,	not regulated
<ul> <li>UN proper shipping name</li> <li>DOT, ADN, IMDG, IATA</li> </ul>	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
- Special precautions for user	Not applicable.
- Transport in bulk according to Annex II of	MARPOL73/78
and the IBC Code	Not applicable.
- UN "Model Regulation":	not regulated

# 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
  - 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):

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.

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- 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)

None of the ingredients is listed.

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

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)



3 Health = 3 Fire = 1

# - NFPA ratings (scale 0 - 4)



Health = 3 Fire = 1 Reactivity = 0

# - 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
Acute Toxicity - Dermal 4: Acute toxicity - Category 4

Skin Corrosion 1B: Skin corrosion/irritation - Category 1B

Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A Sensitization - Skin 1: Skin sensitisation – Category 1

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

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