

**Safety Data Sheet**  
according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

**\* 1 Identification**

**- Product identifier**

- **Trade name:** Vibra-TITE® Excel Primer

- **Synonyms:** 611A Excel Primer N Aerosol

**- Other means of identification**

- **Part number:** VT611A

- **Application of the substance / the mixture** Primer/ Subcoating

**- 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 identification**

**- Classification of the substance or mixture**



GHS02 Flame

Aerosols, Section 2.3.1 – Category 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



GHS08 Health hazard

Carcinogenicity – Category 2

H351 Suspected of causing cancer.

Aspiration hazard – Category 1

H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irritation - Category 2

H315 Causes skin irritation.

Specific target organ toxicity (single exposure) – Category 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**



GHS02 GHS07 GHS08

- **Signal word** Danger

**- Hazard-determining components of labeling:**

Heptane, branched, cyclic and linear  
methyl isobutyl ketone  
HEPTANE

**- Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.  
H315 Causes skin irritation.  
H351 Suspected of causing cancer.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.

# Safety Data Sheet

## according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 1)

**- Precautionary statements**

- P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 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/hearing protection.  
 P280 Wear protective gloves.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P321 Specific treatment (see on this label).  
 P331 Do NOT induce vomiting.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER/doctor 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.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**3 Composition/Information on ingredients****- Chemical characterization: Mixtures**- **Description:** Mixture of the substances listed below with nonhazardous additions.**- Dangerous components:**

CAS: 426260-76-6	Heptane, branched, cyclic and linear Flammable liquids – Category 2, H225; Aspiration hazard – Category 1, H304; Skin Irritation - Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H336	60 – 70% w/w *
CAS: 68476-86-8	Petroleum gases, liquefied, sweetened Flammable Gases - Category 1, H220; Gases Under Pressure - Compressed Gas, H280	30 – 40% w/w *
CAS: 64-17-5	ETHANOL Flammable liquids – Category 2, H225	1 – 10% w/w *
CAS: 142-82-5	HEPTANE Flammable liquids – Category 2, H225; Aspiration hazard – Category 1, H304; Skin Irritation - Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H336	1 – 10% w/w *
CAS: 68084-48-0	Copper(2+) neodecanoate Acute Toxicity (Oral) - Category 4, H302	1 – 10% w/w *
CAS: 67-56-1	methanol Flammable liquids – Category 2, H225; Acute Toxicity (Oral) - Category 3, H301; Acute Toxicity (Dermal) – Category 3, H311; Acute Toxicity (Inhalation) - Category 3, H331; Specific target organ toxicity (single exposure) – Category 1, H370	0.1 – < 1% w/w *
CAS: 108-10-1	methyl isobutyl ketone Flammable liquids – Category 2, H225; Carcinogenicity – Category 2, H351; Acute Toxicity (Inhalation) - Category 4, H332; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H336	≤ 0.1% w/w

\* Actual concentration ranges are withheld as a trade secret.

**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:** 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:**  
CO<sub>2</sub>, 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.

(Contd. on page 3)

# Safety Data Sheet

## according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(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**

- Wear protective equipment. Keep unprotected persons away.
- 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.
- 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.

### \* 7 Handling and storage

**- Precautions for safe handling** Open and handle receptacle with care.**- Information about protection against explosions and fires:**

- Do not spray on a naked flame or any incandescent material.
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

**- Conditions for safe storage, including any incompatibilities****- Storage:****- Requirements to be met by storerooms and receptacles:**

- Observe official regulations on storing packagings with pressurized containers.

**- Information about storage in one common storage facility:** Not required**- Further information about storage conditions:**

- Keep receptacle tightly sealed.
- Do not gas tight seal receptacle.
- Protect from heat and direct sunlight.

**- 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 constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
- At this time, the other constituents have no known exposure limits.

**CAS: 64-17-5 ETHANOL**

EL (Canada)	STEL: 1000 ppm
EV (Canada)	TWA: 1,900 mg/m <sup>3</sup> , 1,000 ppm
PEL (USA)	TWA: 1900 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	TWA: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	STEL: 1880 mg/m <sup>3</sup> , 1000 ppm A3

**CAS: 142-82-5 HEPTANE**

EL (Canada)	STEL: 500 ppm TWA: 400 ppm
EV (Canada)	STEL: 2.045 mg/m <sup>3</sup> , 500 ppm TWA: 1.635 mg/m <sup>3</sup> , 400 ppm
PEL (USA)	TWA: 2000 mg/m <sup>3</sup> , 500 ppm
REL (USA)	TWA: 350 mg/m <sup>3</sup> , 85 ppm Ceiling: 1800* mg/m <sup>3</sup> , 440* ppm *15-min
TLV (USA)	STEL: 400 ppm TWA: 200 ppm OTO

(Contd. on page 4)

## Safety Data Sheet

according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 3)

<b>CAS: 67-56-1 methanol</b>	
EL (Canada)	STEL: 250 ppm TWA: 200 ppm Skin
EV (Canada)	STEL: 325 mg/m <sup>3</sup> , 250 ppm TWA: 260 mg/m <sup>3</sup> , 200 ppm Skin
PEL (USA)	TWA: 260 mg/m <sup>3</sup> , 200 ppm
REL (USA)	STEL: 325 mg/m <sup>3</sup> , 250 ppm TWA: 260 mg/m <sup>3</sup> , 200 ppm Skin
TLV (USA)	STEL: 328 mg/m <sup>3</sup> , 250 ppm TWA: 262 mg/m <sup>3</sup> , 200 ppm Skin; BEI
<b>CAS: 108-10-1 methyl isobutyl ketone</b>	
EL (Canada)	STEL: 75 ppm TWA: 20 ppm IARC 2B
EV (Canada)	STEL: 75 ppm TWA: 205 mg/m <sup>3</sup> , 50 ppm
PEL (USA)	TWA: 410 mg/m <sup>3</sup> , 100 ppm
REL (USA)	STEL: 300 mg/m <sup>3</sup> , 75 ppm TWA: 205 mg/m <sup>3</sup> , 50 ppm
TLV (USA)	STEL: 307 mg/m <sup>3</sup> , 75 ppm TWA: 82 mg/m <sup>3</sup> , 20 ppm BEI, A3
<b>- Ingredients with biological limit values:</b>	
<b>CAS: 67-56-1 methanol</b>	
BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
<b>CAS: 108-10-1 methyl isobutyl ketone</b>	
BEI (USA)	1 mg/L Medium: urine Time: end of shift Parameter: Methyl isobutyl ketone

- **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:** Wash hands before breaks and at the end of work.

**- 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. 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.

**- Eye protection:**

Tightly sealed goggles

- **Body protection:** Protective work clothing

### \* 9 Physical and chemical properties

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

Aerosol

(Contd. on page 5)

## Safety Data Sheet

according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 4)

- <b>Color:</b>	Clear
- <b>Odor:</b>	Acetone-like
- <b>Odor threshold:</b>	Not determined
- <b>Melting point/Melting range:</b>	-94.7 °C
- <b>Boiling point/Boiling range:</b>	≥ 36 °C
- <b>Flammability:</b>	Not applicable
- <b>Explosion limits:</b>	
- <b>Lower:</b>	2.6 Vol %
- <b>Upper:</b>	13 Vol %
- <b>Flash point:</b>	≥ -97 °C
- <b>Auto igniting:</b>	465 °C
- <b>Decomposition temperature:</b>	Not determined
- <b>pH-value:</b>	Not determined
- <b>Viscosity:</b>	
- <b>Kinematic:</b>	Not determined
- <b>Dynamic at 20 °C:</b>	32 mPas
- <b>Solubility in / Miscibility with</b>	
- <b>Water:</b>	Not miscible or difficult to mix.
- <b>Partition coefficient (n-octanol/water):</b>	Not determined
- <b>Vapor pressure at 20 °C:</b>	≤ 59 hPa
- <b>Vapor pressure at 50 °C:</b>	≤ 280 hPa
- <b>Density at 20 °C:</b>	~ 0.7919 g/cm <sup>3</sup>
- <b>Relative density</b>	Not determined
- <b>Vapor density</b>	Not determined
- <b>Particle characteristics</b>	Not applicable
- <b>Other information</b>	
- <b>Appearance:</b>	
- <b>Form:</b>	Fluid
- <b>Important information on protection of health and environment, and on safety.</b>	
- <b>Ignition temperature:</b>	Product is not selfigniting.
- <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- <b>Solvent content:</b>	
- <b>Organic solvents:</b>	2.2 – < 21.1 %
- <b>VOC content:</b>	2.2 – < 21.1 % ~ 167.1 g/l / ~ 1.39 lb/gal
- <b>Solids content:</b>	0.0 %
- <b>Change in condition</b>	
- <b>Evaporation rate</b>	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:

##### ATE (Acute Toxicity Estimate)

Oral	LD50	3,000 – 250,000 mg/kg (rat)
Inhalative	LC50/4 h	> 300 – 3,000 mg/l

##### CAS: 64-17-5 ETHANOL

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

(Contd. on page 6)

# Safety Data Sheet

according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 5)

<b>CAS: 68084-48-0 Copper(2+) neodecanoate</b>		
Oral	LD50	300 – 2,500 mg/kg (rat)
<b>CAS: 67-56-1 methanol</b>		
Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	15,800 mg/kg (rabbit)
Inhalative	LC50/4 h	3 mg/l (ATE)
<b>CAS: 108-10-1 methyl isobutyl ketone</b>		
Oral	LD50	2,080 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE) 8.3 – 16.6 mg/l (rat)

**- 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)**

CAS: 64-17-5	ETHANOL	1
CAS: 108-10-1	methyl isobutyl ketone	2B

**- NTP (National Toxicology Program)**

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.- **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**- **Remark:** 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.

Toxic for aquatic organisms

**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/TDG, ADR, IMDG, IATA**

UN1950

**- UN proper shipping name**- **DOT/TDG**

Aerosols, flammable

- **ADR**

UN1950 Aerosols, ENVIRONMENTALLY HAZARDOUS

- **IMDG**

AEROSOLS, MARINE POLLUTANT

- **IATA**

AEROSOLS, flammable

(Contd. on page 7)

## Safety Data Sheet

according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 6)

<b>- Transport hazard class(es)</b>	
<b>- DOT/TDG (Transport dangerous goods):</b>	
	
<b>- Class</b>	2.1 Gases
<b>- Label</b>	2.1
<b>- ADR</b>	
	
<b>- Class</b>	2.5F Gases
<b>- Label</b>	2.1
<b>- IMDG</b>	
	
<b>- Class</b>	2.1 Gases
<b>- Label</b>	2.1
<b>- IATA</b>	
	
<b>- Class</b>	2.1 Gases
<b>- Label</b>	2.1
<b>- Packing group</b>	
<b>- DOT/TDG, ADR, IMDG, IATA</b>	not regulated
<b>- Environmental hazards:</b>	
<b>- Marine pollutant:</b>	Product contains environmentally hazardous substances: HEPTANE No Yes (DOT) Symbol (fish and tree)
<b>- Special marking (ADR):</b>	Symbol (fish and tree)
<b>- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
Not applicable	
<b>- Transport/Additional information:</b>	
<b>- DOT/TDG</b>	
<b>- Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
<b>- Remarks:</b>	Special marking with the symbol (fish and tree).
<b>- ADR</b>	
<b>- Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>- IMDG</b>	
<b>- Limited quantities (LQ)</b>	1L
<b>- Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>- Special precautions for user</b>	
<b>- Hazard identification number (Kemler code):</b>	Warning: Gases
<b>- EMS Number:</b>	-
<b>- Stowage Code</b>	F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
<b>- Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1

(Contd. on page 8)

# Safety Data Sheet

## according to HPR, Schedule 1

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

Trade name: Vibra-TITE® Excel Primer

(Contd. of page 7)

	except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<b>- UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

### \*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):

CAS: 67-56-1 | methanol

CAS: 108-10-1 | methyl isobutyl ketone

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

Heptane, branched, cyclic and linear

ACTIVE

ETHANOL

ACTIVE

HEPTANE

ACTIVE

Copper(2+) neodecanoate

ACTIVE

methanol

ACTIVE

methyl isobutyl ketone

ACTIVE

##### - Canadian substance listings:

##### - Canadian Domestic Substances List (DSL)

All ingredients are listed.

##### - Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is listed.

##### - Canadian Ingredient Disclosure list (limit 0.1%)

CAS: 64-17-5 | ETHANOL

##### - Canadian Ingredient Disclosure list (limit 1%)

CAS: 142-82-5 | HEPTANE

##### - Per- and polyfluoroalkyl substances (PFAS)

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:** H.B. Fuller Company | ND Industries Health and Environmental Affaires

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

#### - Classification System:

##### - HMIS-ratings (scale 0 - 4)

HEALTH	1	Health = 1
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3

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

1	4	0	Health = 1
			Fire = 4
			Reactivity = 0

**- Date of previous version** 01/29/2024

**- Version number of previous version:** 41

**- Date of preparation** 03/05/2026

#### - 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)

(Contd. on page 9)

**Safety Data Sheet**  
**according to HPR, Schedule 1**

Date of issue 03/05/2026

Version number 42

Revision: 03/05/2026

**Trade name:** Vibra-TITE® Excel Primer

(Contd. of page 8)

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

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

- **Disclaimer**

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