SECTION 1 – PRODUCT IDENTIFICATION

Product Identifier
Product Name: VaproTak™ Low-Temp VP

Other means of identification
Other Names/Synonyms: Part No. 60878325

Recommended use of the chemical and restrictions on use
Recommended use: Restricted to professional users as a liquid adhesive primer for use in building construction.
Uses advised against: No information available

Details of the supplier of the safety data sheet
Supplier Address: VAPROSHIELD, LLC
915 26TH Ave. NW, #C-5
Gig Harbor, WA 9335
866-731-7663

Emergency telephone number
Product Information: 8:00 AM – 5:00 PM PST Monday-Friday 1-866-731-7663
24 hour Emergency Contact: 24/7 CHEMTREC: 1-800-424-9300 or 1-703-527-3887

SECTION 2 – HAZARDS IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification:

Flammable aerosols	Category 1
Gases under pressure	Compressed gas
Skin irritation	Category 2
Eye irritation	Category 2A
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity single exposure	Category 3 (Central nervous system)

Label Elements

EMERGENCY OVERVIEW:

Hazard statements

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.

Appearance: Chemicals under pressure **Color:** black **Odor:** characteristic

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing mist. P264 Wash skin 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.

RESPONSE: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
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.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.

STORAGE: 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.

DISPOSAL: P501 – Disposal of contents and container in accordance with all local, regional, national, and international regulations.

Carcinogenicity:

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

PHYSICAL DESCRIPTION: This product is a liquid adhesive primer.

SECTION 3 – COMPOSITION/INFORMATION

Component	CAS-No.	Weight - %
Methyl acetate	70-20-9	30 - 50
cyclohexane	110-82-7	20 - 30
Carbon dioxide	124-38-9	5 - 10
propane	74-98-6	5 - 10
butane	106-97-8	1 - 5
Epoxy resin	25068-38-6	0.1 - 1

The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
Occupational exposure limits, if available, are listed in section 8.
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

Emergency Overview:

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

SKIN EXPOSURE: Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician if irritation develops or persists.

EYE EXPOSURE: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get immediate medical attention.

Most important symptoms/effects, acute and delayed

Eye contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin contact: May cause an allergic skin reaction.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use an extinguishing measure that is appropriate to local circumstances and the surrounding fire.
Water mist
Dry powder
Carbon dioxide (CO2)
Alcohol-resistant foam

Unsuitable extinguishing media: Do NOT use water jet.

Specific hazards arising from the chemical: In the event of fire, wear self-contained breathing apparatus. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment: Firefighters should wear appropriate protective equipment and a self-contained breathing apparatus (SCBA) with a full-facepiece operated in a positive-pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures.

Remove all sources of ignition. Use personal protective equipment. Use breathing protection against the effects of fumes/dust/aerosol. Evacuate personnel to safe areas. Ensure adequate ventilation.

Environmental precautions. The product should not be allowed to enter drains, water courses, or the soil.
Prevent the material from reaching the sewage system, holes, and cellars.
If the product contaminates rivers and lakes or drains, inform the relevant authorities

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust).
Non-sparking tools should be used.
Ensure adequate ventilation.
Send for recovery or disposal in suitable containers.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Avoid formation of dust and aerosols.
Take note of the emission threshold.
Use solvent-proof equipment.
Ensure that suitable extractors are available on processing machines.
Handle with care.
Keep an eye wash bottle available in the workplace.
Avoid release to the environment.
Keep away from children.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.

Do not spray on an open flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep away from children.

Conditions for safe storage. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Keep tightly closed in a dry, cool, and well-ventilated place. Protect against light.

Materials to avoid. Do not store together with oxidizing and self-igniting products.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

United States Exposure Limit Values

Chemical Name	PEL (OSHA)	REL (NIOSH)	TLV (ACGIH)	CAL
Methyl acetate	TWA: 200 ppm 610 mg/m^3 STEL: 250 ppm 760 mg/m^3	None	TWA: 200 ppm STEL: 250 ppm.	TWA: 200 ppm 610 mg/m^3 STEL: 250 ppm 760 mgm^3.
cyclohexane	TWA: 300 ppm 9000 mg/m^3 TWA: 300 ppm 9000 mg/m^3	TWA: 300 ppm 1,500 mg/m^3 TWA: 375 mg/m^3 10 hours	TWA: 100 ppm	TWA: 300 ppm 1,500 mg/m^3
Carbon dioxide	Z-1: TWA: 5,000 ppm 9,000 mg/m^3 PO: TWA: 10,000 ppm 1,8000 mg/m^3 STEL: 30,000 ppm 54,000 mg/m^3	None	TWA: 5,000 ppm STEL: 30,000 ppm.	PEL: 5,000 ppm 9,000 mg/m^3 STEL: 30,000 ppm 54,000 mg/m^3
propane	TWA: 1,000 ppm 1,800 mg/m^3 TWA: 35 mg/m^3 8 hours	TWA: 1,000 ppm 1,800 mg/m^3	TWA: 1,000 ppm	PEL: 1,000 ppm 1,800 mg/m^3
butane	TWA: 800 ppm 1,900 mg/m^3	TWA: 800 ppm 1,900 mg/m^3	TWA: 10 mg/m^3 8 hours STEL: 1,000 ppm.	PEL: 800 ppm 1,900 mg/m^3

Personal Protection Equipment

Respiratory Protection: Use respiratory protection unless adequate risk management measures (exhaust/ ventilation) are provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In case of brief exposure or low pollution (exceeding TLV), use a breathing filter apparatus. In case of intensive or longer exposure. Ensure that suitable extractors are available on processing machines.
Combined particulates and organic vapor type or equipment with better protection

Hand protection. Nitrile rubber or equipment with better protection
Direct contact with the product must be avoided through organizational measures.
The glove material has to be impermeable and resistant to the product/the substance/the preparation.

The exact breakthrough time can be obtained from the protective glove producer, and this has to be observed.

The gloves need to be disposed of after the penetration time and replaced with new ones.

Apply a skin protectant before working with gloves to avoid skin swellings, and use a skin cleansing and skincare product after work.

For the permanent contact gloves, the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Barrier 02-100 underglove from Ansell or other suppliers (penetration time: 480 min).

For the permanent contact of a maximum of 15 minutes, gloves made of the following materials are suitable: Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min)

As protection from splashes, gloves made of the following materials are suitable: Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs

After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

Eye/face Protection. Tightly fitting safety goggles or equipment with better protection.

Skin Protection/Hand Protection. Protective clothing.

Protection measures. Keep away from food, drink, and animal feeding stuffs. Instantly remove any soiled and impregnated garments. Wash your hands before breaks and immediately after handling the product. Avoid contact with the eyes and skin. Store protective clothing separately.
Avoid contact with the eyes and skin.
Wear suitable protective clothing

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Chemicals under pressure
Color:	black
Odor:	characteristic
pH:	Not determined
Melting/freezing point:	Not determined
Evaporation rate:	Not determined
Relative vapor density:	Not determined
Density:	7.49 lb/gal
Solubility:	
Solubility in water:	Not miscible or difficult to mix
coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not applicable
Explosive properties:	Product is not explosive. However, formation of explosive vapor/air mixtures is possible.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	No decomposition if used according to the specifications.
Possibility of hazardous reactions:	Develops readily flammable vapors/fumes.

Conditions to avoid: Heat may lead to dangerous pressure build-up in a sealed container.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No decomposition if stored and applied as directed.

SECTION 11 – TOXICOLOGY INFORMATION

Information on toxicology effects

Acute toxicity

Product/ingredient	Result	Species	Dose	Exposure
Methyl acetate	LD50 Inhalation Vapor	Rat	16,000 ppm	4 hours
cyclohexane	LC50 Inhalation Vapor	Rat	13.9 mg/l	4 hours

Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration toxicity	No data available

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Results	Species	Exposure
methyl acetate	Toxicity to fish LC50 250 – 350 mg/l	Fish - (Brachydanio rerio (zebrafish))	96 hours
cyclohexane	Toxicity to fish LC50 3.96 - 5.18 mg/l	Fish - Pimephales promelas (fathead minnow)	96 hours

Persistence and degradability: There is no data available.

Product/ingredient name	Partition coefficient: n-octanol/water
methyl acetate	log Pow: 0.18
Epoxy resin	log Pow: 2.64 - 3.78 (25 °C) pH: 7 GLP: yes

Mobility in soil

Medium. Do not allow the product to reach groundwater, water bodies, or sewage systems.

Other adverse effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Do not dispose of together with household waste. Do not dispose of waste into the sewer. To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended, as industry best practice. Consult state, local, or provincial authorities for more restrictive requirements.

Contaminated packaging Disposal must be made according to official regulations.

SECTION 14 – TRANSPORTATION INFORMATION

	49 CFR	IMDG
UN number	UN3501	UN3501
UN proper shipping name	Chemical under pressure, flammable, n.o.s. (METHYL ACETATE, CYCLOHEXANE)	Chemical under pressure, flammable, n.o.s. (METHYL ACETATE, CYCLOHEXANE)
Transport hazard class(es)		
Transport hazard class(es)	2.1	2.1
Environmental hazards	Yes.	Yes.
Additional Information	**ERG Code** 115.	**Emergency schedules (EmS)** F-D, S-U

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for the product as supplied.

Special precautions for users: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15 – REGULATORY INFORMATION

SARA 311/312 Hazards

Classification: Flammable (gases, aerosols, liquids, or solids) Gases under pressure
Respiratory or skin sensitization, Germ cell mutagenicity, Carcinogenicity
Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 302: This material does not contain any components with a section 302. EHS TPQ.

SARA 313

The following components are subject to reporting levels established by SARA Title III, Section 313:

Cyclohexane	110-82-7
Lead	7439-92-1
Mercury	7439-97-6

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61): Xylene 1330-20-7

US State Regulations

California Proposition 65

This product contains the following information regarding Proposition 65 components, which are known by the State of California to cause reproductive harm.

Hazardous ingredients	CAS-No.	%
ethylbenzene	100-41-4	0.01 0.05
formaldehyde	50-00-0	0.001 0.005
benzene	71-43-2	0.001 0.005
acetaldehyde	75-07-0	≤10 PPM
naphthalene	91-20-3	≤10 PPM

The ingredients of this product are reported in the following inventories:

TCSI	Not in compliance with the inventory
TSCA	All substances listed as active on the TSCA inventory
AIIC	Not in compliance with the inventory
DSL	This product contains the following components that are not on the Canadian DSL nor NDSL.
ENCS	Not in compliance with the inventory
ISHL	Not in compliance with the inventory
KECI	On the inventory, or in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory
NZIoC	Not in compliance with the inventory
CHINV	The mixture contains substances listed on the Swiss Inventory
REACH	Not in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory
TECI	Not in compliance with the inventory

Inventories Legend, TSCA (USA), DSL (Canada), REACH(Europe), AIIC (Australia), NZIoC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China), TWINV (Taiwan)

SECTION 16 – OTHER INFORMATION

Further information

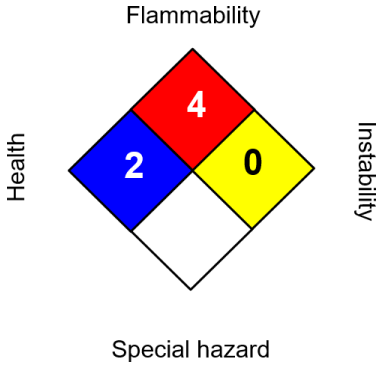
Health: 2 **Flammability:** 4 **Physical hazards:** 3

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the

National Paint & Coatings Association (NPCA).
HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

HEALTH	2*
FLAMMABILITY	4
PHYSICAL HAZARD	3

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic



National Fire Protection Association (U.S.A)

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Prepared By Regulatory Department
Issuing Date 22-August-2025

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End of Safety Data Sheet