VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

SAFETY DATA SHEET

VaproTak™ WB **Issue Date** 2021.12.13 **Revision Date:** 2025.08.05 **Revision Number** 1.2

SECTION 1 – PRODUCT IDENTIFICATION

Product Identifier
Product Name: VaproTak™ WB

Other means of identification
Other Names/Synonyms: Part No. 60404622

Recommended use of the chemical and restrictions on use
Recommended use: Restricted to professional users as a liquid adhesive for self-adhered air barriers 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:

Toxic to Reproduction (unborn child)	Category 2
Aquatic Hazard (acute)	Category 2
Aquatic Hazard (long term)	Category 2

Label Elements

EMERGENCY OVERVIEW:

Hazard statements
Warning
H361d - Suspected of damaging the unborn child.
H411 - Toxic to aquatic life with long lasting effects.

Appearance: Orange/Pink **Physical state**: Liquid **Odor:** Not available

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 – Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing and eye or face protection.
P273 - Avoid release to the environment.

RESPONSE: P391 – Collect spillage.
P308 + P313 – If exposed or concerned: Get medical advice or attention.

STORAGE: P405 – Store locked up.

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

Hazards not otherwise classified (US): None known.

Other Information
Not applicable

PHYSICAL DESCRIPTION: This product is a liquid adhesive.

SECTION 3 – COMPOSITION/INFORMATION

Component	CAS-No.	Weight - %
Alkanes, C14-C16, Chloro	1372804-76-6	1 – 5 %
Toluene	108-88-3	0.1 – 1 %
Ammonia	1336-21-6	0.1 – 1 %
Ammonia, anhydrous	7664-41-7	0.1 – 1 %
Diuron	330-54-1	<0.1 %
Carbendazim	10605-21-7	<0.1 %

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: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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 20 minutes. Get medical attention if irritation occurs.

INGESTION: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: No known significate effects or critical hazards.
Inhalation: No known significate effects or critical hazards.
Skin contact: No known significate effects or critical hazards.
Ingestion: No known significate effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No known significate effects or critical hazards.
Inhalation: Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Skin contact: Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformation.
Ingestion: Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformation.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment.
Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use an extinguished agent suitable for the surrounding fire.
Unsuitable extinguishing media: None known.
Specific hazards arising from the chemical: This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products: No specific data

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

Special protective actions for fire fighters: Promptly isolated the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risks or without suitable training.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

For non-emergency personal: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unstable materials. See also the information in "For non-emergency personnel."

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved

alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See section 8 for additional information on hygiene measures.

Conditions for safe storage including any incompatibilities: Store in accordance with local regulations. Store n original container protected from direct sunlight in cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment

Respiratory Protection: Respiratory protection should not be required under normal use and handling. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Exposure Guidelines

United States Exposure Limit Values

Chemical Name	PEL (OSHA)	REL (NIOSH)	TLV (ACGIA)
Alkanes, C14-C16, Chloro	None	None	None
Toluene	TWA: 200 ppm 8 hr. CEIL: 300 ppm. AMP: 500 ppm 10 minutes	TWA: 100 ppm 10 hr. TWA: 375 mg/m^3 10 hours STEL: 150 ppm 15 minutes STEL: 560 mg/m^3 15 minutes	TWA: 20 ppm 8 hours
Ammonia	None	None	None
Ammonia, anhydrous	TWA: 50 ppm 8 hr. TWA: 35 mg/m^3 8 hours	TWA: 25 ppm 10 hr. TWA: 18 mg/m^3 10 hours STEL: 35 ppm 15 minutes STEL: 27 mg/m^3 15 minutes	TWA: 25 ppm 8 hr. TWA: 17 mg/m^3 8 hours STEL: 35 ppm 15 minutes STEL: 24 mg/m^3 15 minutes
Diuron		TWA: 10 mg/m^3 10 hours	TWA: 10 mg/m^3 8 hours
Carbendazim	None	None	None

Exposure Guidelines

Canada Exposure Limit Values

Chemical Name	CA Alberta Provincial (Canada, 6/2018).	CA British Columbia Provincial (Canada, 5/2019)	CA Ontario Provincial (Canada, 1/2018)	CA Quebec Provincial (Canada, 1/2014).	CA Saskatchewan Provincial (Canada, 7/2013)
Toluene	Absorbed through the skin 8 hr. OEL: 50 ppm 8 hr. 8 hr. OEL: 188 mg/m^3 8 hr.	TWA: 20 ppm 8 hr.	TWA: 20 ppm 8 hr.	Absorbed through the skin TWAEV: 50 ppm 8 hr. TWAEV: 188 mg/m^3 8 hr.	STEL: 60 ppm 15 min. TWA: 50 ppm 8 hr.
Ammonia, anhydrous	8 hr. OEL: 17 ppm 8 hr. 8 hr. OEL: 25 mg/m^3 8 hr. 15 min. OEL: 35 ppm 15 min. 15 min. OEL: 24 mg/m^3 15	TWA: 25 ppm 8 hr. STEL: 35 ppm 15 min.	TWA: 25 ppm 8 hr. STEL: 35 ppm 15 min.	TWAEV: 25 ppm 8 hr. TWAEV: 17 mg/m³ 8 hr. STEV: 35 ppm 15 min. STEV: 24 mg/m³ 15 min.	STEL: 35 ppm 15 min. TWA: 25 ppm 8 hrs.
Diuron	8 hr. OEL: 10 mg/m³ 8 hr.	TWA: 10 mg/m^3 8 hr.	TWA: 10 mg/m^3 8 hr.	TWAEV: 10 mg/m³ 8 hr.	STEL: 20 mg/m³ 15 min. TWA: 10 mg/m³ 8 hr.

Appropriate Engineering: Controls

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Hygiene Measure

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face Protection

Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields

Skin Protection/Hand Protection

Chemical- resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Orange/Pink
Odor:	Not available
pH:	7 to 10 [Conc, (% w/w): 1%]
Melting/freezing point:	Not available
Initial boiling point and boiling range:	100°C (212°F)
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Lower and upper explosive \ (flammable) limits:	Not available
Vapor pressure:	Not available
Vapor density:	0.99
Relative density:	Not available
Solubility:	Not available
Solubility in water Partition coefficient: n- octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature	
Viscosity:	Not available
Flow time (ISO 2431):	Not available
VOC content:	5g/l

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	This product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reaction will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGY INFORMATION

Information on toxicology effects

Acute toxicity

Product/ingredient	Result	Species	Dose	Exposure
Toluene	LD50 Inhalation Vapor	Rat	49 g/m^3	4 hours
Ammonia	LC50 Oral	Rat	350 mg/m^3	-
Ammonia, anhydrous	LD50 Inhalation Gas LD50 Inhalation Gas	Rat Rat	9500 ppm 2000 ppm	1 hour 4 hours
Diuron	LD50 Dermal LD50 Oral	Rat Rat	>5 g/kg 1 g/kg	- -
Carbendazim	LD50 Dermal LD50 Dermal LD50 Oral	Rabbit Rat Rat	8500 mg/kg 2 g/kg >5050 mg/kg	- -

Irritation/Corrosion

Product/ingredient	Result	Species	Score	Exposure	Observation
Toluene	Eyes – Mild irritant	Rabbit	-	0.5 minutes 100 mg	-
	Eyes – Mild irritant Eyes – Severe irritant	Rabbit Rabbit	- -	870 µg 24 hours 250 µL	-
	Skin – Mild irritant	Pig	-	24 hours 250 µL	-
	Skin – Mild irritant Skin – Moderate irritant	Rabbit Rabbit	- -	435 mg 24 hours 20 mg	-
	Skin – Moderate irritant	Rabbit	-	500 mg	-
Ammonia	Eyes – Severe irritant Eyes – Severe irritant	Rabbit Rabbit	-	0.5 minutes 1 mg	-

Sensitization: There is no data available

Mutagenicity: There is no data available

Carcinogenicity:
Classification

Product/ingredient	OSHA	IARC	NTP
Toluene	-	3	-

Reproductive toxicity: There is no data available

Teratogenicity: There is no data available

Specific target organ toxicity (single exposure)

Product/ingredient	Category	Route of exposure	Target organs
Toluene Ammonia	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient	Category	Route of exposure	Target organs
Toluene Diuron	Category 2 Category 2	-	Hearing organs

Aspiration hazard

Product/ingredient	Results
Toluene	Aspiration Hazard – Category 1

Information on the likely routes of exposure: Routes of entry anticipated: Oral, Dermal, Inhalation

Potential Acute Health Effects

Eye Contact: No known significant effects or critical hazards
Inhalation: No known significant effects or critical hazards
Skin contact: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

Eye Contact: No known significant effects or critical hazards
Inhalation: No known significant effects or critical hazards
Skin contact: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards

Delayed and immediate effects and chronic effects from short- and long-term exposure

Short Term

Potential immediate effects: No known significant effects or critical hazards
Potential delayed effects: No known significant effects or critical hazards

Long term exposure

Potential immediate effects: No known significant effects or critical hazards
Potential delayed effects: No known significant effects or critical hazards

Potential chronic health effects

General: May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity: No known significant effects or critical hazards
Mutagenicity: No known significant effects or critical hazards
Teratogenicity: Suspected of damaging the unborn child.
Developmental effects: No known significant effects or critical hazards
Fertility effects: Suspected of damaging fertility.
Target organs: Contains material which may cause damage to the following organs: kidneys, the nervous system, the reproductive system, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Numerical measures of toxicity

Acute toxicity estimates: There is not data available

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Results	Species	Exposure
Toluene	Acute EC50 433 ppm Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 12500 µg/L Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/L Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/L Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/L Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 500000 µg/L Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 1000 µg/L Fresh water	Daphnia - Daphnia magna	21 days
n-Hexane	Acute LC50 113000 µg/L Fresh water	Fish - Oreochromis mossambicus	96 hours

Persistence and degradability: There is no data available.

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Toluene	2.69	8.317637711	low
n-Hexane	3.9	-	low

Mobility in soil

Soil/water partition coefficient (Koc): Not available

Other adverse effects: No known significant effects or critical hazards.

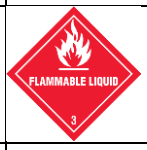
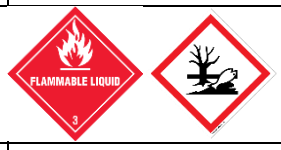
SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Product/ingredient name	CAS#	Status	Reference number
Toluene	108-88-3	Listed	U220

SECTION 14 – TRANSPORTATION INFORMATION

	DOT Classification	IMDG	IATA
UN number	UN1139	UN1139	UN1139
UN proper shipping name	COATING SOLUTION RQ(Toluene, n- Hexanes)	COATING SOLUTION. Marine pollutant (n-Hexane)	COATING SOLUTION
Transport hazard class(es)			
Transport hazard class(es)	II	II	II
Environmental hazards	Yes.	Yes.	No.
Additional Information	**Reportable quantity** 2999.4 lbs / 1361.7 kg [399.7 gal / 1513 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	**Emergency schedules (EmS)** F-E, S-E	

Special precautions for users: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code IMO instruments: Not available.

SECTION 15 – REGULATORY INFORMATION

U.S. Federal regulations:

TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 307: Toluene
Clean Water Act (CWA) 311: Toluene

Clean Air Act Section 112 (b) Hazardous air pollutants (HAPs): Listed

Clean Air Act (CAA) Section 602 Class I Substances: Not Listed

Clean Air Act (CAA) Section 602 Class II Substances: Not Listed

DEA List I Chemicals (Precursor chemicals): Not Listed

DEA List II Chemicals (Essential Chemicals): Listed

SARA 302/304

Composition/information on ingredients

No products were found

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Fire hazard
Immediate (acute health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Toluene	30-60	Yes	No	No	Yes	Yes
n-Hexane	30-60	Yes	No	No	Yes	Yes

SARA 313

	Product Name	CAS number	%
Form R – Reporting requirements	Toluene n-Hexane	108-88-3 110-54-3	30 - 60 30 - 60
Supplier notification	Toluene n-Hexane	108-88-3 110-54-3	30 – 60 30 - 60

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: The following components are listed: Toluene; n-Hexane
New Jersey: The following components are listed: Toluene; n-Hexane
New York: The following components are listed: Toluene; n-Hexane
Pennsylvania: The following components are listed: Toluene; n-Hexane

California Prop.65

⚠ **WARNING**: This product can expose you to chemicals including Anionic / Nonionic, Ethylene oxide and 4-Methylpentan-2-one, which are known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Diuron, Naphthalene, Quinoline and its strong acid salts, Formaldehyde, Acetaldehyde and 1,4-Dioxane, which are known to the State of California to cause cancer, and Toluene, Methanol and Ethanediol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	Cancer	Reproductive	No significate risk level	Maximum acceptable dosage level
Toluene	No.	Yes.	No.	7000 µg/day (ingestion) 13000 µg/day (inhalation)

International regulations

Inventory list

Australia (AICS):	Not determined.
China (IECSC):	Not determined.
Japan:	Not determined.
Malaysia (EHS Register):	Not determined.
New Zealand (NZIoC):	Not determined.
Philippines (PICCS):	Not determined.
Republic of Korea:	Not determined.
Taiwan (CSNN):	Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed.

Chemical Weapons Convention List Schedule II Chemicals: Not listed.

Chemical Weapons Convention List Schedule II Chemicals: Not listed.

SECTION 16 – OTHER INFORMATION

Hazardous Material Information System (U.S.A)

Health: 2 **Flammability:** 3 **Physical hazards:** 0

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.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A)

Health: 2 **Flammability:** 3 **Physical hazards:** 0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

OTHER INFORMATION

Key to abbreviations: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Prepared By Regulatory Department
Issuing Date 13-December-2021

Disclaimer

Information provided in this Safety Data Sheet is given in good faith and is, to the best of our knowledge and belief, accurate and reliable. However, since information herein was obtained, in part, from independent suppliers not under the direction and supervision of VAPROSHIELD, the information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. VAPROSHIELD warrants only that it has made no effort to censor other than trade secret information or to conceal deleterious aspects of its products. The information relates only to the specific material designated and may not be valid for material used in combination with other materials or in any process, unless noted in the text.

End of Safety Data Sheet