

VaproTak™ WB

Issue Date 2021.12.13

Revision Date: 2026.05.26

Revision Number 2.1

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
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

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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 %

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

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.

Occupational exposure limits, if available are listed in section 8.

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.

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- 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 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.

Over-exposure signs/symptoms

- Eye contact:** No known significant 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

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waterway, sewer or drain.

Hazardous thermal decomposition products: No specific data

Special protective actions for fire-fighters: Promptly isolate 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 risk or without suitable training.

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

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. Do not reuse container.

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 in 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

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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 min.	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/m ³ 8 hr. STEV: 35 ppm 15 min. STEV: 24 mg/m ³ 15 min.	STEL: 35 ppm 15 min. TWA: 25 ppm 8 hrs.
Diuron	8 hr. OEL: 10 mg/m ³ 8 hr.	TWA: 10 mg/m ³ 8 hr.	TWA: 10 mg/m ³ 8 hr.	TWAEV: 10 mg/m ³ 8 hr.	STEL: 20 mg/m ³ 15 min. TWA: 10 mg/m ³ 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.

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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:	Not available
Relative density:	1.0 kg/L (8.23 lb/gal)
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.

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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 2 mg	-
	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	-	250 µg 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

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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: 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 malformations
 Ingestion: Adverse symptoms may include the following:
 reduced fetal weight
 increase in fetal deaths
 skeletal malformations

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: No known significant effects or critical hazards.
 Carcinogenicity: No known significant effects or critical hazards
 Mutagenicity: No known significant effects or critical hazards

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Reproductive toxicity:

Suspected of damaging the unborn child.

Numerical measures of toxicity

Acute toxicity estimates:

Product/ingredient	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases ppm)	Inhalation (vapors mg/l)	Inhalation (dust & mists mg/l)
Toluene	NA	NA	NA	49	NA
Ammonia	350	NA	NA	NA	NA
Ammonia, anhydrous	NA	NA	2000	NA	NA
Diuron	1000	NA	NA	NA	NA
Carbendazim	NA	2000	NA	NA	NA

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Results	Species	Exposure
Toluene	Acute EC50 11600 µg/L Fresh water Acute EC50 6000 µg/L Fresh water Chronic NOEC 2 mg/L Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) Daphnia - Daphnia magna	48 hours 48 hours 21 days
Ammonia	Acute LC50 37 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
Ammonia, anhydrous	Acute EC50 29.2 mg/L Marine water Acute LC50 2080 µg/L Fresh water Acute LC50 0.53 ppm Fresh water Acute LC50 300 µg/L Fresh water Chronic NOEC 0.204 mg/L Marine water	Algae - Ulva fasciata - Zoea Crustaceans - Gammarus pulex Daphnia - Daphnia magna Fish - Hypophthalmichthys nobilis Fish - Dicentrarchus labrax	96 hours 48 hours 48 hours 96 hours 62 days
Diuron	Acute EC50 2.26 µg/L Marine water Acute EC50 0.0007 mg/L Fresh water Acute EC50 0.005 mg/L Fresh water Acute EC50 8.4 ppm Fresh water Acute LC50 2.41 µg/L Marine water Acute LC50 380 µg/L Fresh water Acute LC50 500 µg/L Fresh water Chronic EC10 0.11 µg/L Fresh water Chronic NOEC 0.34 µg/L Marine water Chronic NOEC 26.4 ppb	Algae - Coccolithus huxleyi - Exponential growth phase Algae - Pseudokirchneriella subcapitata Aquatic plants - Lemna sp. Daphnia - Daphnia magna Aquatic plants - Halodule uninervis Crustaceans - Gammarus lacustris Fish - Morone saxatilis - Larvae Algae - Fragilaria capucina - Exponential growth phase Aquatic plants - Zostera muelleri Fish - Pimephales promelas	72 hours 96 hours 96 hours 48 hours 72 hours 48 hours 96 hours 96 hours 72 hours 60 days
Carbendazim	Acute EC50 19.0562 mg/L Fresh water Acute EC50 20 µg/L Fresh water LC50 77 µg/L Fresh water Acute LC50 7 µg/L Fresh water Chronic EC10 10 µg/L Fresh water Chronic NOEC 3.1 ppb Fresh water	Algae - Scenedesmus acutus var. acutus Daphnia - Daphnia magna Crustaceans - Gammarus pulex - Juvenile (Fledgling, Hatchling, Weanling) Fish - Ictalurus punctatus - Yolk- sac fry Crustaceans - Gammarus pulex - Adult Daphnia - Daphnia magna	96 hours 48 hours 48 hours 96 hours 21 days 21 days

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Persistence and degradability: There is no data available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Toluene	2.73	90	low
Diuron	2.84	5.2	low
Carbendazim	1.52	2.51	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.

SECTION 14 - TRANSPORTATION INFORMATION

	DOT Classification	TDG Classification	IMDG	IATA
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-C16, Chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-C16, Chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-C16, Chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-C16, Chloro)
Transport hazard class(es)	 	 	 	 
Transport hazard class(es)	III	III	III	III
Environmental hazards	Yes.	Yes	Yes.	Yes

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Additional Information

DOT Classification

Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg.

Reportable quantity 34722.2 lbs / 15763.9 kg [502.34 gal / 1901.6 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

TDG Classification

Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark).

Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.

IMDG

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA

This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packaging meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

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 IMO instruments:

Not available.

SECTION 15 - REGULATORY INFORMATION

U.S. Federal regulations: **TSCA 8(a) PAIR:** Naphthalene; Acetaldehyde; Diuron

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 307: Toluene; Zinc oxide; Naphthalene

Clean Water Act (CWA) 311: Toluene; Ammonia, anhydrous; Naphthalene; Quinoline; Formaldehyde; Ammonia; Maleic Anhydride; Acetaldehyde; Diuron

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): Not Listed

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SARA 302/304

Composition/information on ingredients

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	lbs	gallons	lbs	gallons
Ammonia, anhydrous	≤0.3	Yes	500	-	100	-
Formaldehyde	≤0.0025	Yes	500	73.9	100	14.8
Ethylene oxide	≤0.001	Yes	1000	-	10	-

SARA 304 RQ 52045.4 lbs / 23628.6 kg [753 gal / 2850.3 L]

SARA 311/312

Classification OXIC TO REPRODUCTION (Unborn child) - Category 2

Composition/information on ingredients

Product Name	%	Classification
Toluene	≥0.3 - <1	FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A TOXIC TO REPRODUCTION (Unborn child) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1

State regulations

Massachusetts:	None of the components are listed
New Jersey:	None of the components are listed
New York:	None of the components are listed
Pennsylvania:	None of the components are listed

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	No significant risk level	Maximum acceptable dosage level
Toluene	-	Yes
Diuron	-	-
Methanol	-	Yes
Naphthalene	Yes.	-
Anionic / Nonionic	-	-
Quinoline and its strong acid salts	-	-
Formaldehyde	Yes	-
Ethanediol	-	Yes
Acetaldehyde	Yes	-
Ethylene oxide	Yes	Yes
1,4-Dioxane	Yes	-
4-Methylpentan-2-one	-	-

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Revision Date: 2026.05.26 Revision Number 2.1

Canadian lists

Canadian NPRI: None of the components are listed
CEPA Toxic substances: None of the components are listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals: Not listed
Montreal Protocol: Not listed
Stockholm Convention on Persistent Organic Pollutants: Not listed
Rotterdam Convention on Prior Information Consent (PIC): Not listed
UNWCW Aarhus Protocol on POPs and Heavy Metals: Not listed

Inventory list

Australia: Not determined.
Canada: Not determined.
China: Not determined.
Europe: Not determined.
Japan (ENCS): Not determined.
Japan (ISHL): Not determined.
New Zealand: Not determined.
Philippines: Not determined.
Republic of Korea: Not determined.
Taiwan: Not determined.
Thailand: Not determined.
Turkey: Not determined.
United States (TSCA 8b): All components are active or exempted.
Viet Nam: Not determined

SECTION 16 - OTHER INFORMATION

Procedure used to derive the classification

Classification	Justification
TOXIC TO REPRODUCTION (Unborn child) - Category 2	Calculation method
AQUATIC HAZARD (ACUTE) - Category 2	Calculation method
AQUATIC HAZARD (LONG-TERM) - Category 2	Calculation method

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)
N/A = Not available
SGG = Segregation Group
UN = United Nations

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Prepared By
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Regulatory Department
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End of Safety Data Sheet