

Safety Data Sheet

Conforms to HazCom 2012/ United States

Section 1. Identification

GHS product Identifier : VM Precoat Adhesive

Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against

Aromatic & aliphatic hydrocarbon adhesive

Supplier's details American Hydrotech, Inc.

303 East Ohio Street Chicago, Illinois 60611

Tel: (800) 877-6125 (M-F 8 am to 5 pm CST)

PERS #11540: 800-633-8253 (24/7)

Emergency telephone number)

with hours of operation)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazardous Communications Standard

(49CFR1910.1200).

Classification of the substance or mixture

: Flammable liquid- Category 2

Skin Corrosion/Irritation- Category 2

Toxic to reproductive (Fertility)- Category 2 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

Aquatic toxicity (Chronic) - Category 2

GHS label elements Hazard pictogram



Signal word Hazard statement : Danger

: Highly flammable liquid and vapor

Causes skin irritation

Suspected of damaging fertility or the unborn child. May be fatal is swallowed and enters airways.

May cause drowsiness and dizziness.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

Precautionary statements
Prevention

: Obtain special instructions before use. Do not handle until all safety precaustions have been read and understood. Use personal protective equipment as required. Wear eye and face protection.Keep away from heat, sparks, open flames and hot surfaces. – No smoking. Use explosion- proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparkingtools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapor. Wash hands thoroughly after handling.

Section 2. Hazards identification

Response Collect spillage; Get medical attention if you feel unwell. If exposure or concerned: Get

medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If SWALLOWED: Immediately call a POISON CENTER or physician. DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation occurs:

Get medical attention.

Storage Store locked up. Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Hazards not otherwise classified : None known

Section 3. Composition/information on ingredients

Substance/Mixture : Mixture **Other means of identification** : Not available

CAS number/other identifiers

CAS number : Not applicable Product code : Not applicable

Ingredient name	%	CAS Number
Toluene	30-60	108-88-3
n-Hexane	30-60	110-54-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration 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

Description of necessary first aid measures.

Eye contact : 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.

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Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery

position and get medical attention immediately. Maintain an open airway

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Continue to rinse for at least 20 minutes. Get medical attention.

Ingestion : Wash out mouth with water. 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 personal. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and

get medical attention immediately. Maintain an open airway.

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Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Skin contact : Causes skin irritation.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters

airways. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eve contact : Adverse symptoms may include the following:

Pain or irritation, Watering, Redness.

Inhalation : Adverse symptoms may include the following:

Nausea or vomiting

Headache

Drowsiness/fatigue
Dizziness/vertigo
Unconsciousness
Reduced fetal weight
Increase in fetal deaths
Skeletal malformations

Skin contact: Adverse symptoms may include the following:

Irritation Redness

Reduced fetal weight Increase in fetal deaths Skeletal malformations

Ingestion : Adverse symptoms may include the following:

Nausea or vomiting Reduced fetal weight Increase in fetal deaths Skeletal malformations

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. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing the aid to give

mouth to mouth resuscitation.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam. : Do not use water-jet or water based fire extinguishers.

Specific hazards arising from the

chemical

: Highly flammable liquid and vapor. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

Hazardous thermal decomposition

products

: Decomposition products may include the following materials: Carbon Dioxide

Carbon Monoxide

Special protective equipment

: Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective actions for fire fighters

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

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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

For non emergency personal : Evacuate surrounding area. Keep unecessary and unprotected personnel from entering.

Shut off all iginition sources. No flares, smoking, or flames in hazard areas. 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 unstuiatble materials. See also th einformation in "For non-

emergency personnel.

Environmental precautions : Avoid disposal 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).

Methods and materials for containment and cleaning up

Spill

: Stop leak if without risk. Move container from spill area. Use spark proof tools and explosion proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. 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 safety precautions have been read and understood. Do not get in eyes or on the skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage area or confined spaces unless adequately ventilated. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flames and any other ignition source. Use explosion-proof electrical (ventilation, lighting and material handling) equipment. Use only non- sparking tools. Take precautionary measures against electrostatic discharges. 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 material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in segregated and approved area. Store in original container protected from direct sunlight in a dry cool and well-ventilated area away from incompatible materials (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters Occupational exposure limits

Ingredient name	Exposure limits	
Toluene	NIOSH REL (United States, 6/2009)	
	STEL: 560 mg/m ³ for 15 minutes	
	STEL: 150 ppm for 15 minutes	
	TWA: 375 mg/m ³ for 10 hours	
	TWA: 100 ppm for 10 hrs	
	OSHA PEL Z2 (United States, 11/2006)	
	AMP: 500 ppm 10 minutes	
	CEIL:300 ppm	
	TWA: 200 ppm 8 hrs	
	ACGIH TLV (United States,3/2012)	
	TWA: 20 ppm 8 hrs	
n-Hexane	NIOSH REL (United States, 6/2009)	
	TWA: 180 mg/m^3 for 10 hours	
	TWA: 50 ppm for 10 hrs	
	OSHA PEL (United States, 6/2010)	
	TWA: 1800 mg/m ³ 8 hrs	
	TWA: 500 ppm 8 hrs	
	ACGIH TLV (United States, 3/2012) Absorbed through the skin.	
	TWA: 50 ppm 8 hrs	

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airbornes contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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. Ensure that eyewash stations and safety showers are close to the work station 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: Chemical splash goggles.

Skin Protection Hand protection

: Chemical- resistant, imprevious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being preformed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti static protective clothing. For the greatest protection form static discharges, clothing should include antistatic overalls, boots and gloves.

Other skin protection

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

Respiratory protection

: Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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Section 9. Physical and chemical properties

Appearance

Physical state : Liquid Color : Red

Odor : Hydrocarbon (strong)

Odor threshold: Not availablepH: Not applicableMelting point: Not applicableBoiling point: 67°C (152.6° F)

Flash Point : Closed cup: -19.4°C (-2.9° F)

Burning time : Not determined Burning rate : Not determined

Evaporation rate: : 4.5 (ether(anhydrous)=1)

Flammability(solid, gas) : Not applicable Lower & upper explosive : Lower: 1.2% (flammable) limits : Upper: 7.5%

Vapor density : 20.3 kPa (152 mm Hg) @ room temperature

Vapor pressure : 3.5 (Air=1) Relative density : 0.9

Solubility : Partially soluble in the following materials: cold and hot water.

Partition coefficient: n- : Not available

octanol/water

Auto- ignition temperature: Not availableDecomposition temperature: Not availableSADT: Not availableViscosity: 51-56 KUVOC: 527 g/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 decomposition products should not

be produced.

Conditions to avoid: : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze,

solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor

to accumulate in low or confined areas.

Incompatible materials: Reactive or incompatible with the following materials: Oxidizing materials, acids, and

alkalis.

Hazardous decomposition : Under normal conditions of storage and use, hazardous decomposition products should not

products be produced.

Section 11.Toxicological information

<u>Information on toxicological effects</u>

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Toluene	LC50 Inhalation Vapor	Rat	49 g/m^3	4 hours
	LD50 Oral	Rat	636m g/kg	-
n-Hexane	LC50 Inhalation Gas	Rat	48000 ppm	4 hours
	LD50 Oral	Rat	1584 mg/kg	-

Section 11.Toxicological information

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Toluene	Eyes- Mild irritant	Rabbit	-	0.5 minutes 100 mg	-
	Skin- Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Eyes- Mild irritant	Rabbit	-	870 μg	-
	Eyes- Severe irritant	Rabbit	-	24 hours2 mg	-
	Skin- Mild irritant	Pig	-	24 hours 250 μL	-
	Skin- Mild irritant	Rabbit	-	435 mg	-
	Skin- Moderate irritant	Rabbit	-	500 mg	-
n-Hexane	Eyes- Mild irritant	Rabbit	-	10 mg	-

Sensitization

Skin : There is no data available Respiratory : There is no data available Mutagenicity : There is no data available Carcinogenicity : There is no data available

Classification

Product/ingredient name	OSHA	IARC	NTP
Toluene	-	3	-

Reproductive toxicity : There is no data available Teratogenicity : There is no data available

Specific target organ toxicity (single exposure)

Name	Category	Route of Exposure	Target organs
Toluene	Category 3	Not applicable	Narcotic effects
n-Hexane	Category 3	Not applicable	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of Exposure	Target organs
Toluene	Category 2	Not determined	Not determined
n-Hexane	Category 2	Not determined	Not determined

Aspiration hazard

Name	Results
Toluene	Aspiration Hazard- category 1
n-Hexane	Aspiration Hazard- category 1

exposure

Information on the likely routes of: Routes of entry anticipated: Oral, dermal, inhalation.

Potential acute health effects

Eve contact

: Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Skin contact : Causes skin irritation.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters

airways. Irritating to mouth, throat and stomach.

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Section 11.Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

Pain or irritation, Watering,

Redness.

Inhalation : Adverse symptoms may include the following:

Nausea or vomiting

Headache

Drowsiness/fatigue
Dizziness/vertigo
Unconsciousness
Reduced fetal weight
Increase in fetal deaths
Skeletal malformations

Skin contact : Adverse symptoms may include the following:

Irritation Redness

Reduced fetal weight Increase in fetal deaths Skeletal malformations

Ingestion : Adverse symptoms may include the following:

Nausea or vomiting Reduced fetal weight Increase in fetal deaths Skeletal malformations

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

Short term exposure

Potential immediate effects : No known significant effects or critical hazards : 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 damage to unborn child.

Developmental effects : No known significant effects or critical hazards

Fertility effects : Suspected of damage to 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 no data available

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Section 12. Ecological information

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

Persistence and degradability Bio accumulative potential : 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	
$\begin{array}{c} \textbf{Soil/water partition coefficient} \\ \textbf{(K}_{OC}) \end{array}$: Not applicable
Other adverse effects	: No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods

: 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-recycled products via a licensed waste disposal contractor. Waste should not be disposed of to a sewer. 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, water ways, drains and sewers.

United States- RCRA Toxic hazardous waste "U" List

Ingredient	CAS#	Status	Reference number
Toluene	108-88-3	Listed	U220

Section 14. Transportation information

	DOT Classification	IMDG	IATA
UN Number	UN 1139	UN 1139	UN 1139
UN Proper Shipping	Coating Solution RQ (Coating Solution, Marine	Coating Solution
Name	toluene, n-hexanes)	Pollutant	-
Transportation hazard class(es)	FLAMMABLE LIQUID	RAMMASSE LIQUID	FLAMMABLE LIQUID
Packing Group	II	II	II
Environmental Hazard	Yes	Yes	Yes
Additional Information	Reportable Quantities 2999.4 lbs/1361.7 kg (399.7 gal/1513 L). Packages 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 user

: 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.

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

: Not available

Section 15. Regulatory information

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8 b): all components are listed or exempted

Clean Water Act(CWA) 307 Clean Water Act(CWA) 311 Clean Air Act Section 112 (b)

: Toluene : Listed

: Toluene

Hazardous air pollutants

(HAPs)

Clean Air Act (CAA) Section

602 Class I Substances

Clean Air Act (CAA) Section

602 Class II Substances

DEA List I Chemicals (Precursor chemicals)

DEA List II Chemicals

(Essential Chemicals) **SARA 302/304**

: Not listed

: Not listed

: Not listed

: No products found

: Listed

Composition/information on

ingredients

SARA 304 RQ : Not applicable

Section 15. Regulatory information

SARA 311/312

Classification : Fire Hazard,

> Immediate (acute) health hazard, Delayed (chronic) health.

Composition/information on ingredients

Name	%	Fire Hazard	Sudden release	Reactive	Immediate	Delayed(chronic)
			of pressure		(acute) health	health hazard
					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	Toluene	108-88-3	30-60
requirements	n-Hexane	110-54-3	30-60
Supplier notification	Toluene	108-88-3	30-60
	n-Hexane	110-54-3	30-60

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS.

State regulations

Massachusetts : The following components are listed: Toluene; n-Hexane **New Jersey** : The following components are listed: Toluene; n-Hexane **New York** : None of the components are listed: Toluene; n-Hexane : The following components are listed: Toluene; n-Hexane Pennsylvania

: Warning: This product contains a chemical known to the State of California to cause birth California Prop.65

defects or other reproductive harm.

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

International regulations

International lists : Australia inventory (AICS):Not determined

: China inventory (IECSC): Not determined

: Japan inventory : Not determined : Korea inventory: Not determined

: Malaysia inventory (EHS Register): Not determined

: New Zealand Inventory of Chemicals (NZIoC):Not determined

: Philippines inventory (PICCS): Not determined : Taiwan inventory (CSNN): Not determined

Chemical Weapons : Not listed

Convention List schedule I

Chemicals

Chemical Weapons : Not listed

Convention List schedule II

Chemicals

Chemical Weapons : Not listed

Convention List schedule III

Chemicals

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16. Other information

Hazardous Material Information System (USA)

Health -2 Flammability-3 Physical hazards-0

Caution: HMIS® rating 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 CFR1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with fully implemented HMIS® program. HMIS® is a registered trademark of the National Paint & Coating Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller.

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

National Fire Protection Association (USA) NFPA 704

Health -2 Flammability-3 Instability-0

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

Date of revision: 1/5/14
Date of previous issue 2/27/12

Revisions: Revision to entire document for compliance of new HazCom rules.

Version

Prepared by C. Rogalski

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.