CI-25 DLC®-A

1: Identification

Product identifier: Other means of identification: Supplier:

Recommended use: Restrictions on use: Emergency phone number: CI-25 DLC®-A Hydrocarbon resin on silicon dioxide NATROCHEM, Inc. P.O. Box 1205 Savannah, GA 31402-1205 912-236-4464 Adhesives, coatings, rubber Not applicable. CHEMTREC (USA) 800-424-9300 CHEMTREC (Int'I) 202-483-7616

2: Hazard(s) identification

2: Hazard(s) Identificat	10 n
GHS classification:	Specific target organ toxicity - Single exposure – Category 3 Specific target organ toxicity - Repeated exposure – Category 2 Aspiration hazard – Category 1
GHS label elements	
Signal word:	DANGER
Symbol(s):	
Hazard statements:	May be fatal if swallowed and enters airways
	May cause respiratory irritation
	May cause drowsiness or dizziness
	May cause damage to skin through prolonged or repeated exposure
Hazards not otherwise classified:	May form combustible dust concentrations in the air.
Precautionary statements:	
Prevention:	Do not breathe dust/fumes/mist/vapours.
	Use only outdoors or in a well-ventilated area.
	Wear protective gloves/clothing and eye/face protection.
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
	IF INHALED: Remove person to fresh air and keep comfortable for
	breathing. Call a POISON CENTER/doctor if you feel unwell.
	In case of fire: Use appropriate media to extinguish.
Storage:	Store in a dry place. Store in a closed container.
	Store in a well ventilated place. Keep container tightly closed.
Disposal:	Dispose of contents/container in accordance with

local/regional/national/international regulations.

3: Composition

Substance/mixture:

Mixture

Ingredient	Synonyms	CAS number	Concentration (%)
Coumarone-indene resin		63393-89-5	Trade secret
Naphtha, petroleum, arom		68603-08-7	Trade secret
contg.			
Silica, amorphous, precipitated,		112926-00-8	26-30
and gel			

Contains no detectable crystalline silica (detection limit <0.01% by weight)

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

Contaminants:

Naphthalene (91-20-3) is contained in some of the component raw materials as a non-reactive unintentional material. It has a relatively high boiling point (218°C) and a great affinity for petroleum hydrocarbons and thus is very difficult to remove completely from the resins.

The component material typically contains less than 500 ppm of naphthalene.

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.

4: First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM, OR PHYSICIAN immediately; have SDS information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures		
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes	
	with running water for at least 15 minutes, keeping eyelids open.	
	Seek immediate medical attention.	
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing,	
	if breathing is irregular, or if respiratory arrest occurs, provide	
	artificial respiration or oxygen by trained personnel.	
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly	
	with soap and water or use recognized skin cleanser. Do NOT use	
	solvents or thinners.	
Ingestion:	If swallowed, seek medical advice immediately and show this	
	container or label. Keep person warm and at rest. Do NOT induce	

Description of necessary first aid measures

	vomiting.
Most important symptoms/effect	•
Potential acute health effects	
Eye contact:	Mild irritation.
Inhalation:	Respiratory tract irritation.
Skin contact:	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion:	No known significant effects or critical hazards.
Over-exposure signs/symptom	<u>s</u>
Eye contact:	Adverse symptoms may include the following:
	Irritation
	Redness
Inhalation:	Adverse symptoms may include the following:
	Coughing
	Respiratory tract irritation
Skin contact:	Adverse symptoms may include the following:
	Dryness
Ingestion:	No specific data.
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.
See toxicological information (Section 11)	

5: Fire-fighting measures

Extinguishing media	
Suitable extinguishing media:	Dry chemical, carbon dioxide, foam, water spray.
Unsuitable extinguishing	Do not use high-pressure water streams.
media:	
Specific hazards arising from	Avoid generating vapours; vapours dispersed in air in sufficient
the chemical:	concentrations and in the presence of an ignition source are a
	potential explosion hazard. Vapours are heavier than air and can
	collect in low areas; vapours can travel to an ignition source and
	flash back.
Hazardous thermal	Upon combustion, this product emits carbon monoxide carbon
decomposition products:	dioxide, and/or low molecular weight hydrocarbons.
Special protective actions for	Keep away from sources of ignition. Avoid inhalation of material or
firefighters:	combustion by-products. Move material from fire area if it can be
	done without risk. Use extinguishing agents appropriate for
	surrounding fire. Dike for later disposal. Stay upwind and keep out of
	low areas.
Special protective equipment	Wear full protective firefighting gear including self-contained
for firefighters:	breathing apparatus (SCBA) for protection against possible exposure.

6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

For non-emergency	No action shall be taken involving any personal risk or without
personnel:	suitable training. Keep unnecessary and unprotected personnel from
	entering. Do not touch or walk through spilled material. Product
	forms slippery surface when combined with water.
For emergency responders:	If specialized clothing is required to deal with the spillage, take note
	of any information in Section 8 on suitable and unsuitable materials.
	See also the information immediately above in "For non-emergency
	personnel".
Environmental precautions:	Inform the relevant authorities if the product has caused
	environmental pollution (sewers, waterways, soil, or air).
Methods and materials for conta	ainment and cleaning up
Small spill:	Vacuum or sweep up material and place in a designated, labeled
	waste container.
Large spill:	Vacuum or sweep up material and place in a designated, labeled
	waste container.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7: Handling and storage

Precautions for safe handling	
Protective measures:	Put on appropriate personal protective equipment (see Section 8).
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. Remove contaminated clothing and protective equipment before entering eating areas. When transferring material into flammable solvents, use proper grounding to avoid electrical sparks. Avoid alteration of product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties. See also 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 a dry, cool, and well-ventilated area away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.
Incompatibilities:	Strong oxidizing materials, combustible materials

8: Exposure controls/personal protection Control parameters

Occupational exposure limits

Components with limit values	s that require monitoring at the workplace:
Naphthalene (91-20-3)	
ACGIH	10 ppm TWA
	15 ppm STEL
	Skin – potential significant contribution to overall exposure by
	the cutaneous route
NIOSH	10 ppm TWA; 50 mg/m ³ TWA
	15 ppm STEL; 75 mg/m ³ STEL
	250 ppm IDLH
OSHA (US)	10 ppm TWA; 50 mg/m ³ TWA
Europe	10 ppm TWA; 50 mg/m ³ TWA
Mexico	10 ppm TWA LMPE-PPT; 50 mg/m ³ TWA LMPE-PPT
	15 ppm STEL [LMPE-CT]; 75 mg/m ³ STEL [LMPE-CT]
Recommended monitoring	If this product contains ingredients with exposure limits, personal,
procedures:	workplace atmosphere, or biological monitoring may be required to
	determine the effectiveness of the ventilation or other control
	measures and/or the necessity to use respiratory protective
	equipment. Reference should be made to appropriate monitoring
	standards. Reference to national guidance documents for methods
	for the determination of hazardous substances will also be required.
Appropriate engineering	Good general ventilation should be sufficient to control worker
controls:	exposure to airborne contaminants.
Environmental exposure	Emissions from ventilation or work process equipment should be
controls:	checked to ensure that they comply with the requirements of
	environmental protection legislation. In some cases, fume scrubbers
	filters, or engineering modifications to process equipment will be
	necessary to reduce emissions to acceptable levels.
dividual protection measures	
Hygiene measures:	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
	end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated
	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
	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:	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. Safety eyewear complying with an approved standard should be
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Eye/face protection:	 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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the
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Skin protection	end of the working period. Appropriate techniques should be used t remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles.
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Skin protection	 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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical
Skin protection	 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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles. 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. When
Skin protection	 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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles. 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. When handling hot material, wear heat-resistant gloves that are able to
Skin protection	 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. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles. 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. When

Other skin protection:	based on the task being performed and the risks involved and should be approved by a specialist before handling this product. 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:	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9: Physical and chemical properties

Physical state:Powder, solid, or granular solid.Color:White to tan.Odor:Petroleum odor.Odor threshold:Not available.pH:Not available.Melting/freezing point:Not available.Boiling point and range:Not available.Flash point:>330°FEvaporation rate:Not available.Flammability:Not available.Flammability or explosiveNot available.Iimits:Vapor pressure:Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.ViscosibuNot available.ViscosibuNot available.ViscosibuNot available.Not available.Not available.	Appearance	
Odor:Petroleum odor.Odor threshold:Not available.pH:Not available.Melting/freezing point:Not available.Boiling point and range:Not available.Boiling point and range:Not available.Flash point:>330°FEvaporation rate:Not available.Flammability:Not available.Flammability or explosiveNot available.Iimits:Vapor pressure:Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Physical state:	Powder, solid, or granular solid.
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Flammability:Not available.Flammability or explosiveNot available.Iimits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Flash point:	>330°F
Flammability or explosiveNot available.limits:Not available.Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n-Not available.octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Evaporation rate:	Not available.
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Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Flammability or explosive	Not available.
Vapor density:Not available.Relative density:Not available.Solubility:Not available.Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature:Not available.Decomposition temperature:Not available.	limits:	
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Partition coefficient: n- octanol/water:Not available.Auto-ignition temperature: Decomposition temperature:Not available.	Relative density:	Not available.
octanol/water:Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Solubility:	Not available.
Auto-ignition temperature:Not available.Decomposition temperature:Not available.	Partition coefficient: n-	Not available.
Decomposition temperature: Not available.	octanol/water:	
	Auto-ignition temperature:	Not available.
Viceocity, Not applicable	Decomposition temperature:	Not available.
viscosity: Not applicable.	Viscosity:	Not applicable.

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	Under normal conditions of storage and use, hazardous reactions
reactions:	will not occur.
Conditions to avoid:	High temperature (>800°C) treatment (calcining). Avoid alteration of

	product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties.
	Avoid generating dust.
	Refer to protective measures listed in Sections 7 and 8.
Incompatible materials:	Reactive or incompatible with the following materials: acids,
	oxidizing materials, strong alkalis.
Hazardous decomposition	Upon decomposition, this product emits carbon monoxide, carbon
products:	dioxide, and/or low molecular weight hydrocarbons.

11: Toxicological information

Information on toxicological effects

mormation on toxicological effec	13				
Acute toxicity				-1	
Naphthalene	LC50 inh	alation	Rat	>340 mg/kg	-
	LD50 ora	l	Rat	1110 mg/kg	-
	LD50 der	mal	Rabbit	1120 mg/kg	-
Irritation/corrosion					
Conclusion/summary					
Skin:	No know	'n signif	icant effects or crit	ical hazards.	
Eyes:	No know	'n signif	icant effects or crit	ical hazards.	
Respiratory:	No know	'n signif	icant effects or crit	ical hazards.	
Sensitization					
Conclusion/summary:					
Skin:	No know	'n signif	icant effects or crit	ical hazards.	
Respiratory:	No know	'n signif	icant effects or crit	ical hazards.	
Mutagenicity:					
Conclusion/summary:	No know	'n signif	icant effects or crit	ical hazards.	
Carcinogenicity					
Conclusion/summary:	No know	'n signif	icant effects or crit	ical hazards.	
<u>Classification</u>					
Ingredient	OSHA	IARC	NTP		
Silica, amorphous,	-	3	-		
precipitated, and gel					
Naphthalene	+	2B	Reasonably antici	pated to be a hur	man carcinogen
Carcinogen classification IARC: 1, 2A,	code: 2B, 3, 4				
	n/Reasonal	bly antici	pated] to be a human (carcinogen	
OSHA: +	- 1 - 1 .				
Not listed/regul <u>Reproductive toxicity</u>	ated: -				
Conclusion/summary:	No know	n signif	icant effects or crit	ical hazards.	
Teratogenicity					
Conclusion/summary:	No know	n signif	icant effects or crit	ical hazards.	
Specific target organ toxicity (si	ngle expo	sure)			
Not available.					
Specific target organ toxicity (re	epeated e	xposure	<u>e)</u>		
Skin:	May cau	se dama	age to skin through	repeated or prol	onged exposure.

Target organs	Contains material which may cause damage to the following organs: upper respiratory tract, eyes.	
Aspiration hazard	upper respiratory tract, eyes.	
May be fatal if swallowed and e	enters airways.	
Information on the likely routes	•	
of exposure:		
Potential acute health effects		
Eye contact:	No significant irritation expected other than possible mechanical irritation.	
Inhalation:	Exposure to airborne concentrations above statutory or	
	recommended exposure limits may cause irritation of the nose,	
	throat, and lungs. May cause drowsiness and dizziness.	
Skin contact:	Prolonged or repeated contact may damage skin.	
Ingestion:	May be fatal if swallowed and enters airways.	
	, chemical, and toxicological characteristics	
Eye contact:	Adverse symptoms may include the following:	
	Irritation	
	Redness	
Inhalation:	Adverse symptoms may include the following:	
	Coughing Respiratory tract irritation	
Skin contact:	Adverse symptoms may include the following:	
Skill contact.	Dryness	
Ingestion:	No specific data.	
-	nd also chronic effects from short- and long-term exposure	
Conclusion/summary:	An epidemiological study was conducted which included 165	
	precipitated silica workers who had been exposed an average time of	
	8.6 years. Of these 165 workers, 44 had been exposed for an average	
	of 18 years. No adverse effects were noted in complete medical	
	examinations (including chest roentgenograms) of these workers.	
	Pulmonary function decrements were correlated only with smoking	
	and age but not with the degree or duration of dust exposures.	
	Laboratory studies have also been conducted in small animals via	
	inhalation of levels of precipitated silica dust of up to 126 mg/m ³ per	
	periods from six months to two years. Although precipitated silica	
	was temporarily deposited in animals' lungs, most of the deposited	
	material was cleared soon after the dust exposure ended. The results	
	of all studies performed by, or known to, PPG indicated a very low	
	order of pulmonary activity for synthetic precipitated silicas. PPG	
	recommends that persons with breathing problems or lung disease	
	should not work in dusty areas unless a physician approves and certifies their fitness to wear respiratory protection.	
Short-term exposure	certifies their fitness to wear respiratory protection.	
Potential immediate	Symptoms/effects may include mild skin irritation, mild eye	
effects	irritation, nervous system damage, respiratory tract irritation, and	
	aspiration hazard.	
Potential delayed effects	Prolonged or repeated contact may dry skin and cause irritation.	
Long-term exposure		

Potential immediate effects Potential delayed effects	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. May cause damage to skin through prolonged or repeated exposure.
Potential chronic health	
<u>effects</u>	
General:	No known significant effects or critical hazards.
Carcinogenicity:	
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Not available.	

12: Ecological information

Toxicity

		Species	Exposure
Silica, amorphous,	NOEC > 1000 ppm	Daphnia – <i>daphnia magna</i>	24 hours
precipitated, and gel			
	Acute NOEC > 10000 ppm fresh	Fish	96 hours static
	water		
	Acute NOEC > 10000 ppm	Fish – brachydanio rerio	4 days static
Naphthalene	LC50 5.74-6.44 mg/L flow-	Fish – <i>pimephales</i>	96 hours
	through	promelas	
	LC50 1.6 mg/L flow-through	Fish – oncorhyncus mykiss	96 hours
	LC50 0.91-2.82 mg/L static	Fish – oncorhyncus mykiss	96 hours
	LC50 1.99 mg/L static	Fish – pimephales promelas	96 hours
	LC50 31.0265 mg/L static	Fish – <i>lepomis</i> macrochirus	96 hours
	EC50 0.4 mg/L	Algae – skeletonema costatum	72 hours
	EC50 2.16 mg/L IUCLID	Daphnia – <i>daphnia magna</i>	48 hours
	EC50 1.96 mg/L flow-through	Daphnia – <i>daphnia magna</i>	48 hours
	EPA		
	EC50 1.09-3.4 mg/L static EPA	Daphnia – <i>daphnia magna</i>	48 hours

reisistence and degradability			
Ingredient	Aquatic half-life	Photolysis	Biodegradability
Silica, amorphous,	-	-	Not readily
precipitated, and gel			
Bioaccumulative poter	<u>ntial</u>		
Ingredient	LogPow	BCF	Potential
Silica, amorphous,	-	0	low

precipitated, and gel	
Mobility in soil	
Soil/water partition	Not available.
coefficient (K _{oc}):	
Other adverse effects:	No known significant effects or critical hazards.

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 at all times comply with the requirements of environmental
	protection and waste disposal legislation and any regional local
	authority requirements.
D ¹ 1 1 1 1 1 1 1 1 1 1	

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Refer to Sections 6, 7, and 8 for additional information on accidental release measures, handling and storage, and exposure controls.

14: Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping	-	-	-
name			
Transport hazard	-	-	-
class(es)			
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant	Not applicable.	Not applicable.	Not applicable.
substances			
Additional information	-	-	-

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.

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

Not available.

15: Regulatory information

<u>Inventory status</u> United States inventory (TSCA 8b):	All components are listed or exempted.
Australia inventory (AICS):	All components are listed or exempted.

Canada inventory (DSL): Europe inventory (REACH): Korea inventory (KECI): New Zealand inventory (NZIoC): All components are listed or exempted. All components are listed or exempted. All components are listed or exempted. All components are listed or exempted.

16: Other information

Hazardous Material Indentification System (USA)

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

PERSONAL PROTECTION

Key to abbreviations:

* - chronic effects

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 1901.1200, 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 Nation 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.

ATE BCF	Acute toxicity estimate Bioconcentration factor
GHS	Globally harmonized system of classification and labeling of chemicals
ΙΑΤΑ	International Air Transport Association
IBC	Intermediate bulk container
IMDG	International Maritime Dangerous Goods
LogPow	Logarithm of the octanol/water partition coefficient
MARPOL 73/78	International convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978. (MARPOL = marine pollution)
UN	United Nations

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