

# NVA425\_A0

## Safety Data Sheet ENVIROLINE 405HT LV PART B



Bulk Sales Reference No.:  
SDS Revision Date:  
SDS Revision Number:

Sales  
Order: {SalesOrd}  
NVA425  
02/13/2015  
A0-2

### 1. Identification of the preparation and company

#### 1.1. Product identifier

Product Identity ENVIROLINE 405HT LV PART B  
Bulk Sales Reference No. NVA425

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Use See Technical Data Sheet.  
Application Method See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

Company Name International Paint LLC  
6001 Antoine Drive  
Houston Texas 77091

#### Emergency

CHEMTREC (USA) (800) 424-9300  
International Paint (713) 682-1711  
Poison Control Center (800) 854-6813  
Customer Service  
International Paint (800) 589-1267  
Fax No. (800) 631-7481

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

Flam. Liq. 3;H226	Flammable liquid and vapor.
Acute Tox. 5;H303	May be harmful if swallowed.
Skin Corr. 1;H314	Causes severe skin burns and eye damage.
Eye Dam. 1;H318	Causes serious eye damage.
Skin Sens. 1;H317	May cause an allergic skin reaction.
Repr. 2;H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
STOT RE 2;H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2;H411	Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Danger.

H226 Flammable liquid and vapor.

H303 May be harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H361 Suspected of damaging fertility or the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.  
 P260 Do not breathe mist / vapors / spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection / face protection.  
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P302+352 IF ON SKIN: Wash with soap and water.  
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 P308+313 IF exposed or concerned: Get medical advice/attention.  
 P310 Immediately call a POISON CENTER or doctor / physician.  
 P312 Call a POISON CENTER or doctor / physician if you feel unwell.  
 P314 Get Medical advice / attention if you feel unwell.  
 P331 Do NOT induce vomiting.  
 P333 If skin irritation or a rash occurs:.  
 P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P363 Wash contaminated clothing before reuse.  
 P370 In case of fire: Use water spray, fog, or regular foam..  
 P391 Collect spillage.  
 P403+233 Store in a well ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating                      Health: 2\*                      Flammability: 3                      Reactivity: 0

3. Composition/information on ingredients
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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Quartz CAS Number: 0014808-60-7	25 - 50	Acute Tox. 4;H332 STOT RE 2;H373	[1][2]
Aluminum oxide CAS Number: 0001344-28-1	10 - 25	----	[1]
Cyclohexanamine, 4,4'-methylenebis- CAS Number: 0001761-71-3	10 - 25	Acute Tox. 4;H302 Skin Corr. 1A;H314 Skin Sens. 1B;H317 STOT RE 2;H373 Aquatic Chronic 2;H411 Supplier Classification	[1]
Cycloaliphatic amine (HMRIC# 6088) CAS Number: TS-KH6399	10 - 25	----	[1]
Titanium dioxide CAS Number: 0013463-67-7	1.0 - 10	----	[1][2]
Benzyl alcohol	1.0 - 10	Acute Tox. 4;H332	[1]

CAS Number: 0000100-51-6		Acute Tox. 4;H302	
Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7	1.0 - 10	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304	[1][2]
Phenol, 4-nonyl-, branched CAS Number: 0084852-15-3	1.0 - 10	Repr. 2;H361fd Acute Tox. 4;H302 Skin Corr. 1B;H314 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Diethylene triamine CAS Number: 0000111-40-0	1.0 - 10	Acute Tox. 4;H312 Acute Tox. 4;H302 Skin Corr. 1B;H314 Skin Sens. 1;H317	[1][2]
Bisphenol A CAS Number: 0000080-05-7	1.0 - 10	Repr. 2;H361f STOT SE 3;H335 Eye Dam. 1;H318 Skin Sens. 1;H317	[1]
Benzene, ethyl- CAS Number: 0000100-41-4	1.0 - 10	Flam. Liq. 2;H225 Acute Tox. 4;H332 Asp. Tox. 1;H304 Eye Irrit. 2;H319 Skin Irrit. 2;H315 STOT SE 3;H335 STOT RE 2;H373	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

#### 4. First aid measures

##### 4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

##### 4.2. Most important symptoms and effects, both acute and delayed

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing. Contains an ingredient which may cause reproductive disorders based on animal data (See Section 2 and Section 15 for each ingredient).
Inhalation	Harmful if inhaled. May cause allergic respiratory reaction. May cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath and dry cough. May cause asthma-like symptoms to occur. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.
Ingestion	

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Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

Chronic effects Birth defect hazard. Contains an ingredient which can cause birth defects (See Section 2 and Section 15 for each ingredient). Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

SMALL FIRES: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

#### 5.2. Special hazards arising from the substance or mixture

FLAMMABLE/COMBUSTIBLE MATERIALS: May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

#### 5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material. Fully Encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.

#### 6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

#### 6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 100 meters (330 feet).

### 7. Handling and storage

#### 7.1. Precautions for safe handling

##### Handling

Vapors may cause flash fire or ignite explosively.

##### In Storage

Keep away from heat, sparks and flame.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

#### 7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

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8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000080-05-7	Bisphenol A	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	
0000100-41-4	Benzene, ethyl-	OSHA	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		ACGIH	20 ppm TWA
		NIOSH	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL800 ppm IDLH (10% LEL)
		Supplier	
		OHSA, CAN	20 ppm TWA
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT125 ppm STEL [LMPE-CT]; 545 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0000100-51-6	Benzyl alcohol	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	
0000111-40-0	Diethylene triamine	OSHA	
		ACGIH	1 ppm TWA
		NIOSH	1 ppm TWA; 4 mg/m3 TWA
		Supplier	
		OHSA, CAN	1 ppm TWA
		Mexico	1 ppm TWA LMPE-PPT; 4.2 mg/m3 TWA LMPE-PPT
		Brazil	
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	
		Supplier	
		OHSA, CAN	100 ppm TWA150 ppm STEL
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0001344-28-1	Aluminum oxide	OSHA	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		ACGIH	
		NIOSH	
		Supplier	

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		OHSA, CAN	
		Mexico	10 mg/m3 TWA LMPE-PPT
		Brazil	
0001761-71-3	Cyclohexanamine, 4,4'-methylenebis-	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	
0013463-67-7	Titanium dioxide	OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5000 mg/m3 IDLH
		Supplier	
		OHSA, CAN	10 mg/m3 TWA
		Mexico	10 mg/m3 TWA LMPE-PPT (as Ti)20 mg/m3 STEL [LMPE-CT] (as Ti)
		Brazil	
0014808-60-7	Quartz	OSHA	
		ACGIH	0.025 mg/m3 TWA (respirable fraction)
		NIOSH	0.05 mg/m3 TWA (respirable dust)50 mg/m3 IDLH (respirable dust)
		Supplier	
		OHSA, CAN	0.10 mg/m3 TWA (designated substances regulation, respirable, listed under Silica, crystalline)0.10 mg/m3 TWA (respirable fraction, listed under Silica, crystalline)
		Mexico	0.1 mg/m3 TWA LMPE-PPT (respirable fraction)
		Brazil	
0084852-15-3	Phenol, 4-nonyl-, branched	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	
TS-KH6399	Cycloaliphatic amine (HMRIC# 6088)	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	

Health Data

CAS No.	Ingredient	Source	Value
0000080-05-7	Bisphenol A	NIOSH	
0000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
0000100-51-6	Benzyl alcohol	NIOSH	
0000111-40-0	Diethylene triamine	NIOSH	Skin and respiratory irritation and sensitization
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
0001344-28-1	Aluminum oxide	NIOSH	

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0001761-71-3	Cyclohexanamine, 4,4'-methylenebis-	NIOSH	
0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0014808-60-7	Quartz	NIOSH	Chronic lung disease (silicosis)
0084852-15-3	Phenol, 4-nonyl-, branched	NIOSH	
TS-KH6399	Cycloaliphatic amine (HMRIC# 6088)	NIOSH	

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000080-05-7	Bisphenol A	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000100-41-4	Benzene, ethyl-	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0000100-51-6	Benzyl alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000111-40-0	Diethylene triamine	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p-isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0001344-28-1	Aluminum oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001761-71-3	Cyclohexanamine, 4,4'-methylenebis-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0014808-60-7	Quartz	OSHA	Select Carcinogen: Yes
		NTP	Known: Yes; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0084852-15-3	Phenol, 4-nonyl-, branched	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
TS-KH6399	Cycloaliphatic amine (HMRIC# 6088)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION

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ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

Eyes	Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls	Depending on the site-specific conditions of use, provide adequate ventilation.
Other Work Practices	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

### 9. Physical and chemical properties

Appearance	Coloured Liquid
Odour threshold	Not Measured
pH	No Established Limit
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	137 (°C) 279 (°F)
Flash Point	27 (°C) 80 (°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1 Upper Explosive Limit: No Established Limit
vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	1.69
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	No Established Limit Not Measured
VOC %	Refer to the Technical Data Sheet or label where information is available.

### 10. Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

#### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

No data available

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products



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FLAMMABLE/COMBUSTIBLE MATERIALS: May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

11. Toxicological information
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### Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Quartz - (14808-60-7)	No data available	No data available	No data available	No data available
Aluminum oxide - (1344-28-1)	5,000.00, Rat - Category: 5	No data available	No data available	No data available
Cyclohexanamine, 4,4'-methylenebis- - (1761-71-3)	1,200.00, Rat - Category: 4	2,001.00, Rabbit - Category: 5	No data available	No data available
Cycloaliphatic amine (HMRIC# 6088) - (TS-KH6399)	No data available	No data available	No data available	No data available
Titanium dioxide - (13463-67-7)	10,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA
Benzyl alcohol - (100-51-6)	1,230.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	4.178, Rat - Category: 4
Xylenes (o-, m-, p- isomers) - (1330-20-7)	4,299.00, Rat - Category: 5	1,548.00, Rabbit - Category: 4	20.00, Rat - Category: 4	No data available
Phenol, 4-nonyl-, branched - (84852-15-3)	580.00, Rat - Category: 4	2,031.00, Rabbit - Category: 5	No data available	No data available
Diethylene triamine - (111-40-0)	1,080.00, Rat - Category: 4	1,090.00, Rabbit - Category: 4	No data available	No data available
Bisphenol A - (80-05-7)	5,000.00, Rat - Category: 5	3,000.00, Rabbit - Category: 5	No data available	No data available
Benzene, ethyl- - (100-41-4)	3,500.00, Rat - Category: 5	15,433.00, Rabbit - Category: NA	17.20, Rat - Category: 4	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	5	May be harmful if swallowed.
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	1	Causes severe skin burns and eye damage.
Eye damage/irritation	1	Causes serious eye damage.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	1	May cause an allergic skin reaction.
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	2	Suspected of damaging fertility. Suspected of damaging the unborn child.
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
	2	

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Specific target organ systemic Toxicity (repeated exposure)		May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not Classified	Not Applicable

### 12. Ecological information

#### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Quartz - (14808-60-7)	Not Available	Not Available	Not Available
Aluminum oxide - (1344-28-1)	Not Available	Not Available	Not Available
Cyclohexanamine, 4,4'-methylenebis- - (1761-71-3)	46.00, Leuciscus idus	6.84, Daphnia magna	140.00 (72 hr), Algae
Cycloaliphatic amine (HMRIC# 6088) - (TS-KH6399)	Not Available	Not Available	0.00 ( hr),
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Benzyl alcohol - (100-51-6)	10.00, Lepomis macrochirus	55.00, Daphnia magna	700.00 (72 hr), Algae
Xylenes (o-, m-, p-isomers) - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Phenol, 4-nonyl-, branched - (84852-15-3)	Not Available	Not Available	Not Available
Diethylene triamine - (111-40-0)	1,014.00, Poecilia reticulata	53.50, Daphnia magna	345.60 (96 hr), Pseudokirchneriella subcapitata
Bisphenol A - (80-05-7)	4.60, Pimephales promelas	7.75, Daphnia magna	2.73 (96 hr), Pseudokirchneriella subcapitata
Benzene, ethyl- - (100-41-4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

Not Measured

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available

### 13. Disposal considerations

#### 13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

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14. Transport information
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14.1. UN number UN 3469  
 14.2. UN proper shipping name PAINT, FLAMMABLE LIQUID, CORROSIVE  
 14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name	PAINT, FLAMMABLE LIQUID, CORROSIVE	IMDG Proper Shipping Name	PAINT, FLAMMABLE LIQUID, CORROSIVE
DOT Hazard Class	3 Flammable and Combustible Liquids, 8 Corrosive Liquids	IMDG Hazard Class Sub Class	3 Flammable and Combustible Liquids, 8 Corrosive Liquids Not applicable
UN / NA Number	UN 3469	IMDG Packing Group	III
DOT Packing Group	III	System Reference Code	206
CERCLA/DOT RQ	177 gal. / 2485 lbs.		

14.4. Packing group III  
 14.5. Environmental hazards  
 IMDG Marine Pollutant: Yes ( Cyclohexanamine, 4,4'-methylenebis- )  
 14.6. Special precautions for user  
     Not Applicable  
 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
     Not Applicable

15. Regulatory information
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Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2A E

DOT Marine Pollutants (10%):  
 (No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):  
 (No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

- Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)
- Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

- Aluminum oxide
- Bisphenol A
- Benzene, ethyl-
- Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

- Aluminum oxide
- Benzyl alcohol
- Bisphenol A
- Diethylene triamine
- Benzene, ethyl-
- Quartz
- Titanium dioxide
- Xylenes (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

Aluminum oxide  
 Benzyl alcohol  
 Bisphenol A  
 Diethylene triamine  
 Benzene, ethyl-  
 Quartz  
 Titanium dioxide  
 Xylenes (o-, m-, p- isomers)

Penn Special Hazardous Substances (>.01%) :  
 (No Product Ingredients Listed)

RCRA Status:  
 (No Product Ingredients Listed)

N.J. RTK Substances (>1%) :  
 Aluminum oxide  
 Bisphenol A  
 Diethylene triamine  
 Benzene, ethyl-  
 Quartz  
 Titanium dioxide  
 Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances (>.01%) :  
 Diethylene triamine  
 Benzene, ethyl-  
 Phenol  
 Quartz  
 Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :  
 Aluminum oxide  
 Bisphenol A  
 Benzene, ethyl-  
 Xylenes (o-, m-, p- isomers)

Proposition 65 - Carcinogens (>0%):  
 Benzene, ethyl-  
 Quartz  
 Titanium dioxide

Proposition 65 - Female Repro Toxins (>0%):  
 (No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0%):  
 (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):  
 (No Product Ingredients Listed)

16. Other information
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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging fertility or the unborn child.  
H361f Suspected of damaging fertility.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

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