

## SAFETY DATA SHEET

### 1. Identification

#### Product identifier

**Product name** PLATE CLEANER

#### Recommended use of the chemical and restrictions on use

**Application** For use as a plate cleaner in the lithographic printing industry. Plate cleaner.

**Uses advised against** No specific uses advised against are identified. Cannot be used in the EU because the product contains nonyl phenol ethoxylates.

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

**Supplier** Recognition Systems, Inc.  
30 Harbor Park Dr.  
Port Washington, NY 11050  
USA

**Manufacturer** Same as supplier

#### Emergency telephone number

**Emergency telephone** 24 HR. EMERGENCY TELEPHONE 800-255-3924 CHEMTEL

**National emergency telephone number** 911

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H336 STOT RE 2 - H373

**Environmental hazards** Not Classified

**Human health** Prolonged or repeated exposure to vapors in high concentrations may cause the following adverse effects: Dizziness. Fatigue. Product has a defatting effect on skin. The liquid is irritating to eyes and skin. May cause damage to organs (Kidneys, Liver, Central nervous system) through prolonged or repeated exposure.

**Environmental** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**Physicochemical** Heating will generate vapours which may form explosive vapour/air mixtures.

#### Label elements

**Pictogram****Signal word**

Warning

**Hazard statements**

H315 Causes skin irritation.  
 H226 Flammable liquid and vapor.  
 H336 May cause drowsiness or dizziness.  
 H319 Causes serious eye irritation.  
 H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
 P260 Do not breathe vapor/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P314 Get medical advice/attention if you feel unwell.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with national regulations.

**Contains**

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE,  
 XYLENE

**Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**3. Composition/information on ingredients****Mixtures**

<b>SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.;</b> <b>STRAIGHT RUN KEROSENE</b>	<b>30-60%</b>
--	---------------

CAS number: 64742-88-7

**Classification**

Flam. Liq. 3 - H226  
 Skin Irrit. 2 - H315  
 STOT SE 3 - H336  
 Asp. Tox. 1 - H304

**trimethylbenzene**

**1-5%**

CAS number: 25551-13-7

**Classification**

Flam. Liq. 3 - H226  
 Acute Tox. 4 - H302  
 Acute Tox. 4 - H312  
 Skin Irrit. 2 - H315  
 Eye Irrit. 2A - H319

<b>1,2,4-TRIMETHYLBENZENE</b>	<b>1-5%</b>
CAS number: 95-63-6	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304	
<b>PHOSPHORIC ACID ...%</b>	<b>1-5%</b>
CAS number: 7664-38-2	
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318	
<b>MESITYLENE</b>	<b>1-5%</b>
CAS number: 108-67-8	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304	
<b>1,2,3-trimethylbenzene</b>	<b>1-5%</b>
CAS number: 526-73-8	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H335	

<b>XYLENE</b>	<b>1-5%</b>
CAS number: 1330-20-7	
<b>Classification</b>	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	
<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA</b>	<b>1-5%</b>
CAS number: 64742-95-6	
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2A - H319	
Asp. Tox. 1 - H304	
<b>Citric Acid</b>	<b>1-5%</b>
CAS number: 77-92-9	
<b>Classification</b>	
Eye Irrit. 2A - H319	
<b>ACETIC ACID ...%</b>	<b>1-5%</b>
CAS number: 64-19-7	
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
<b>CUMENE</b>	<b>1-5%</b>
CAS number: 98-82-8	
<b>Classification</b>	
Flam. Liq. 3 - H226	
STOT SE 3 - H335	
Asp. Tox. 1 - H304	

The Full Text for all Hazard Statements are Displayed in Section 16.

#### 4. First-aid measures

##### Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Remove affected person from source of contamination. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
<b>Skin Contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

#### **Most important symptoms and effects, both acute and delayed**

<b>General information</b>	May cause damage to organs (Central nervous system, Kidneys, Liver) through prolonged or repeated exposure.
<b>Inhalation</b>	Upper respiratory irritation. Drowsiness, dizziness, disorientation, vertigo.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. Irritating.
<b>Eye contact</b>	Prolonged contact may cause redness and/or tearing. Irritating.

#### **Indication of immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	No specific recommendations.
-----------------------------	------------------------------

### **5. Fire-fighting measures**

#### **Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with the following media: Carbon dioxide (CO <sub>2</sub> ). Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.
<b>Unsuitable extinguishing media</b>	Do not use water, if avoidable.

#### **Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	The product is flammable. Heating may generate flammable vapors.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen. Hydrocarbons.
<b>Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### **6. Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
-----------------------------	---

**Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

**Methods and material for containment and cleaning up**

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers.

**Reference to other sections** For waste disposal, see Section 13.

**7. Handling and storage****Precautions for safe handling**

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

**Conditions for safe storage, including any incompatibilities**

**Storage precautions** Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Flammable liquid storage.

**Specific end uses(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**8. Exposure Controls/personal protection****Control parameters****Occupational exposure limits****SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN KEROSENE**

ACGIH - 8 Hour, TWA - 200 mg/m<sup>3</sup>

OSHA TWA - 400 ppm, 1600 mg/m<sup>3</sup>.

**trimethylbenzene**

Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 123 mg/m<sup>3</sup>

**1,2,4-TRIMETHYLBENZENE**

Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 123 mg/m<sup>3</sup>

**PHOSPHORIC ACID ...%**

Long-term exposure limit (8-hour TWA): OSHA 1 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 3 mg/m<sup>3</sup>

**MESITYLENE**

Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 123 mg/m<sup>3</sup>

**1,2,3-trimethylbenzene**

Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 123 mg/m<sup>3</sup>

**XYLENE**

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 434 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 435 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 150 ppm 651 mg/m<sup>3</sup>

A4

**SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA**

OSHA TWA - 400 ppm, 1600 mg/m<sup>3</sup>.

ACGIH - 8 Hour, TWA - 200 mg/m<sup>3</sup>

#### **ACETIC ACID ...%**

Long-term exposure limit (8-hour TWA): ACGIH 10 ppm 25 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 10 ppm 25 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 15 ppm 37 mg/m<sup>3</sup>

#### **CUMENE**

Long-term exposure limit (8-hour TWA): OSHA 50 ppm 245 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 246 mg/m<sup>3</sup>

Sk

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

Sk = Danger of cutaneous absorption.

A4 = Not Classifiable as a Human Carcinogen.

#### **PHOSPHORIC ACID ...% (CAS: 7664-38-2)**

**Immediate danger to life and health** 1000 mg/m<sup>3</sup>

#### **ACETIC ACID ...% (CAS: 64-19-7)**

**DNEL** Industry - Inhalation; Short term local effects: 25 mg/m<sup>3</sup> Industry - Inhalation; Long term local effects: 25 mg/m<sup>3</sup>

**PNEC** - Sediment (Freshwater); 11.36 mg/kg - STP; 85 mg/l - Sediment (Marinewater); 1.136 mg/kg - Marine water; 0.3058 mg/l - Intermittent release; 30.58 mg/l - Soil; 0.478 mg/kg - Fresh water; 3.058 mg/l

**Immediate danger to life and health** 50 ppm

#### **CUMENE (CAS: 98-82-8)**

**Immediate danger to life and health** 900 ppm

#### **Exposure controls**

##### **Protective equipment**



##### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

##### **Eye/face protection**

The following protection should be worn: Chemical splash goggles or face shield.

##### **Hand protection**

Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber.

##### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

<b>Hygiene measures</b>	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid. Emulsion.
<b>Color</b>	White.
<b>Odor</b>	Hydrocarbons.
<b>Odor threshold</b>	No information available.
<b>pH</b>	pH (concentrated solution): 2
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	>100°C/212°F @ 760 mm Hg
<b>Flash point</b>	TCC (Tag closed cup)., 42°C / 107°F Method: TCC (Tag closed cup).
<b>Evaporation rate</b>	< 1 (butyl acetate = 1)
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	<3 mm Hg @ 20°C
<b>Vapour density</b>	>1
<b>Relative density</b>	0.92 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Miscible with water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
<b>Oxidising properties</b>	Not applicable.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 534 g/l. This product contains a maximum VOC content of 4.5 lb per Gallon.

## 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures.



<b>Possibility of hazardous reactions</b>	Will not polymerize.
<b>Conditions to avoid</b>	Avoid heat.
<b>Materials to avoid</b>	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong alkalis.
<b>Hazardous decomposition products</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ). Hydrocarbons.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 29,205.61

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 24,151.94

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (gases ppm)** 226,529.07

**ATE inhalation (vapours mg/l)** 25.09

**ATE inhalation (dusts/mists mg/l)** 75.51

#### Skin corrosion/irritation

**Animal data** Irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes eye irritation.

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Drowsiness, dizziness, disorientation, vertigo.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Contains Xylene. May cause damage to organs (Central nervous system, Kidneys, Liver) through prolonged or repeated exposure.

<b>Target organs</b>	Central nervous system Liver Kidneys
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b>General information</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Inhalation</b>	May cause respiratory system irritation. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin Contact</b>	Irritating. Contains components which may penetrate the skin. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Irritating to eyes.
<b>Route of entry</b>	Skin and/or eye contact Inhalation Skin absorption
<b>Target Organs</b>	Central nervous system Liver Kidneys Respiratory system, lungs Skin Eyes

## 12. Ecological Information

**Ecotoxicity** Not known. The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

### Toxicity

**Acute toxicity - fish** Not known.

**Acute toxicity - aquatic invertebrates** Not known.

**Acute toxicity - aquatic plants** Not known.

### Ecological information on ingredients.

#### SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.; STRAIGHT RUN Kerosine

**Acute toxicity - fish** LL<sub>50</sub>, 96 hour: 2 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: 1.4 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hours: 1 mg/l, Pseudokirchneriella subcapitata

#### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 10 mg/l, Onchorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: 4.5 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata

### Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product. The product contains nonylphenol ethoxylate which can be transformed into persistent (not readily degradable) nonylphenols when degraded. Only for use outside the EU - The surfactants contained in this preparation do not meet the criteria for Ultimate Biodegradability and therefore the product does not comply with the Detergents Regulation (EC) No 648/2004.

**Bioaccumulative potential**

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

**Ecological information on ingredients.**

**SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA**

**Partition coefficient** log Pow: 3.42

**Mobility in soil**

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is miscible with water and may spread in water systems.

**Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Other adverse effects**

**Other adverse effects** Not known.

**13. Disposal considerations**

**Waste treatment methods**

**General information** When handling waste, the safety precautions applying to handling of the product should be considered. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**14. Transport information**

**UN Number**

**UN No. (DOT)** 1993

**UN No. (IMDG)** 1993

**UN No. (ICAO)** 1993

**UN proper shipping name**

**Proper shipping name (DOT)** FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)

**Transport hazard class(es)**

**IMDG Class** 3

ICAO class/division 3

**Transport labels**



**Packing group**

DOT pack group III

IMDG packing group III

ICAO packing group III

**Environmental hazards**

**Environmentally Hazardous Substance**



**Special precautions for user**

EmS F-E, S-E

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

**15. Regulatory information**

**US Federal Regulations**

**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

**ETHYLENE OXIDE**

<0.01%

**DIMETHYLNITROSOAMINE**

<0.01%

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

**BENZENE**

<0.1%

**Ethylbenzene**

<0.1%

**CUMENE**

1-5%

**TOLUENE**

<0.1%

**NAPHTHALENE**

<0.1%

**XYLENE**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

<0.01%

**ACETALDEHYDE**

<0.01%

**1,4-DIOXANE**

<0.01%

**COPPER NITRATE**

<0.01%

**DIMETHYLNITROSOAMINE**

<0.01%

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

**DIMETHYLNITROSOAMINE**

<0.01%

**SARA 313 Emission Reporting**

**CUMENE**

1-5%

**XYLENE**

1-5%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**CAA Accidental Release Prevention**

**ETHYLENE OXIDE**

<0.01%

**ACETALDEHYDE**

<0.01%

**FDA - Essential Chemical**

Not listed.

**FDA - Precursor Chemical**

Not listed.

**OSHA Highly Hazardous Chemicals**

**ETHYLENE OXIDE**

<0.01%

**ACETALDEHYDE**

<0.01%

**US State Regulations**

**California Proposition 65 Carcinogens and Reproductive Toxins**

**BENZENE**

<0.1%

**Ethylbenzene**

<0.1%

**CUMENE**

1-5%

**TOLUENE**

<0.1%

**NAPHTHALENE**

<0.1%

**ETHYLENE OXIDE**

<0.01%

**ACETALDEHYDE**

<0.01%

**1,4-DIOXANE**

<0.01%

**DIMETHYLNITROSOAMINE**

<0.01%

**California Air Toxics "Hot Spots" (A-I)**

**BENZENE**

<0.1%

**Ethylbenzene**

<0.1%

**CUMENE**

1-5%

**TOLUENE**

<0.1%

**NAPHTHALENE**

<0.1%

**XYLENE**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

<0.01%

**ACETALDEHYDE**

<0.01%

**1,4-DIOXANE**

<0.01%

**DIMETHYLNITROSOAMINE**

<0.01%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**trimethylbenzene**

1-5%

**California Air Toxics "Hot Spots" (A-II)**

Not listed.

**California Directors List of Hazardous Substances****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%

**COPPER NITRATE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**MESITYLENE**

1-5%

**Massachusetts "Right To Know" List****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%

**COPPER NITRATE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**MESITYLENE**

1-5%

**trimethylbenzene**

1-5%

**Rhode Island "Right To Know" List****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**OLEIC ACID**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%



**COPPER NITRATE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**trimethylbenzene**

1-5%

**Minnesota "Right To Know" List****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

&lt;0.1%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**trimethylbenzene**

1-5%

**New Jersey "Right To Know" List****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**ACETIC ACID ...%**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%

**COPPER NITRATE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**cymene**

&lt;1%

**trimethylbenzene**

1-5%

**Pennsylvania "Right To Know" List****BENZENE**

&lt;0.1%

**Ethylbenzene**

&lt;0.1%

**CUMENE**

1-5%

**TOLUENE**

&lt;0.1%

**NAPHTHALENE**

&lt;0.1%

**XYLENE**

1-5%

**OLEIC ACID**

1-5%

**PHOSPHORIC ACID ...%**

1-5%

**ETHYLENE OXIDE**

&lt;0.01%

**ACETALDEHYDE**

&lt;0.01%

**1,4-DIOXANE**

&lt;0.01%

**COPPER NITRATE**

&lt;0.01%

**DIMETHYLNITROSOAMINE**

&lt;0.01%

**1,2,4-TRIMETHYLBENZENE**

1-5%

**trimethylbenzene**

1-5%

**Inventories****Canada - DSL/NDSL**

All the ingredients are listed or exempt.

DSL  
NDSL**US - TSCA**

All the ingredients are listed or exempt.

**US - TSCA 12(b) Export Notification****ACETALDEHYDE**

&lt;0.01%

**5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)**

&lt;0.01%

**16. Other information****Key literature references and sources for data** Material Safety Data Sheet, Misc. manufacturers.**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.**Issued by** J Waterfield**Revision date** 6/8/2015**Revision** 2.0**Supersedes date** 9/1/2014**SDS No.** 21274

<b>Hazard statements in full</b>	H226 Flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. 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. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
<b>ACA HMIS Health rating.</b>	Moderate hazard. (2)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	C
<b>ACA HMIS Flammability rating.</b>	Burns only if heated moderately. (2)

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.