February 15, 2017

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SAFETY DATA SHEET

Section 1. Identification

Product code : 91376008/K502
GHS product identifier : RCXFV0483934 SUNCURE FC 3934

Relevant identified uses of the substance or mixture and uses advised against

<table>
<thead>
<tr>
<th>Identified uses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorant; Printing ink related material; Printing ink.</td>
<td></td>
</tr>
</tbody>
</table>

Manufacturer / Distributor : Sun Chemical Corporation
North American Inks
135 West Lake Street
Northlake, IL 60164
US: +1 866 786 8140

Emergency telephone number (with hours of operation) : (800) 424-9300 (U.S.) (24 hours)
(703) 527-3887 (International) (24 hours)

Other information : (513) 830-8500

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture :
- SKIN IRRITATION - Category 2
- EYE IRRITATION - Category 2A
- SKIN SENSITIZATION - Category 1
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Do not breathe vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : Get medical attention if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.
Section 2. Hazards identification

Hazards not otherwise classified: None known.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture

<table>
<thead>
<tr>
<th>CAS number/other identifiers</th>
<th>Ingredient name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>trimethylolpropane triacrylate</td>
<td></td>
<td>50 - 80</td>
</tr>
<tr>
<td>Proprietary</td>
<td>4,4’-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,</td>
<td>119-61-9</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Proprietary</td>
<td>3-epoxypropane, esters with acrylic acid</td>
<td>105-59-9</td>
<td>2.5 - 5</td>
</tr>
<tr>
<td>Proprietary</td>
<td>Benzophenone</td>
<td>7473-98-5</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Proprietary</td>
<td>Methyldiethanolamine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary</td>
<td>2-Hydroxy-2-Methyl-1-Phenyl-1-Propanone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

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 10 minutes. Get medical attention.

In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Causes serious eye irritation.
Section 4. First aid measures

Inhalation: No known significant effects or critical hazards.
Skin contact: Causes skin irritation. May cause an allergic skin reaction.
Ingestion: No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments: No specific treatment.
Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

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

Specific hazards arising from the chemical

Hazardous thermal decomposition products: In a fire or if heated, a pressure increase will occur and the container may burst.
Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide
- nitrogen oxides
- halogenated compounds

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Section 6. Accidental release measures

Large spill
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures
Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used, without Personal Protective Equipment measures. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. 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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep away from direct sunlight or strong incandescent light.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone</td>
<td>ACGIH TLV (United States). TWA: 2 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

Appropriate engineering controls
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual 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 remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Section 8. Exposure controls/personal protection

Eye/face protection: 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: chemical splash goggles.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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

Respiratory protection: In case of inadequate ventilation wear 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. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance

Physical state: Liquid.
Color: Clear.
Odor: Characteristic.
Odor threshold: Not applicable.
pH: Not tested
Melting point: Not available.
Boiling point: Lowest known value: 243°C (470°F)
Flash point: Lowest known value: >93.3°C (200°F)
VOC: 3.15
Evaporation rate: Highest known value: >1 (Methyldiethanolamine) Weighted average: 0.88 compared with butyl acetate

Flammability (solid, gas): Not available.
Lower and upper explosove (flammable) limits: Not tested
Vapor pressure: Not available.
Vapor density: >1 [Air = 1]
Density: 1.115 g/cm³ (9.309 lbs/gal)
Solubility: Not tested
Partition coefficient: n-octanol/water: Not applicable.
Auto-ignition temperature: 385°C (725°F)
Decomposition temperature: Not applicable.
Viscosity: Dynamic: 122 mPa·s (122 cP)
Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>trimethylolpropane triacrylate</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>5170 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Benzophenone</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>3535 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;10 g/kg</td>
<td>-</td>
</tr>
<tr>
<td>Methyl diethanolamine</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1945 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>2-Hydroxy-2-Methyl-1-Phenyl-1-Propanone</td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>6929 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1694 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary : No known significant effects or critical hazards.

Irritation/Corrosion

Skin : No known significant effects or critical hazards.

Eyes : No known significant effects or critical hazards.

Respiratory : No known significant effects or critical hazards.

Sensitization

Skin : No known significant effects or critical hazards.

Respiratory : No known significant effects or critical hazards.

Mutagenicity

Conclusion/Summary : No known significant effects or critical hazards.

Carcinogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Specific target organ toxicity (repeated exposure)
Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone</td>
<td>Category 2</td>
<td>Oral</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure**

**Inhalation**

No known significant effects or critical hazards.

**Ingestion**

No specific data.

**Skin contact**

Causes skin irritation. May cause an allergic skin reaction.

**Eye contact**

Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

**Inhalation**

No specific data.

**Skin contact**

Adverse symptoms may include the following:
- irritation
- redness

**Ingestion**

No specific data.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact**

Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

**Inhalation**

No specific data.

**Skin contact**

Adverse symptoms may include the following:
- irritation
- redness

**Ingestion**

No specific data.

**Potential acute health effects**

**Eye contact**

Causes serious eye irritation.

**Inhalation**

No known significant effects or critical hazards.

**Skin contact**

Causes skin irritation. May cause an allergic skin reaction.

**Ingestion**

No known significant effects or critical hazards.

**Potential chronic health effects**

**General**

May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity**

No known significant effects or critical hazards.

**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.

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

**Short term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

**Long term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

**Numerical measures of toxicity**

**Acute toxicity estimates**

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>169400 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>50500 mg/kg</td>
</tr>
</tbody>
</table>
Section 11. Toxicological information

Section 12. Ecological information

Toxicity
Not available.

Persistence and degradability
Not available.

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>trimethylolpropane triacrylate 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2, 3-epoxypropane, esters with acrylic acid</td>
<td>0.67</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Benzophenone</td>
<td>3.18</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Methylololamine</td>
<td>-1.08</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>2-Hydroxy-2-Methyl-1-Phenyl-1-Propanone</td>
<td>1.62</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

Mobility in soil

| Soil/water partition coefficient (K_{oc}) | : Not available. |

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 at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>DOT Classification</th>
<th>TDG Classification</th>
<th>Mexico Classification</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Section 14. Transport information**

<table>
<thead>
<tr>
<th>Packing group</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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.

**Section 15. Regulatory information**

<table>
<thead>
<tr>
<th>TSCA 8(b) inventory</th>
<th>: Listed</th>
</tr>
</thead>
</table>
| U.S. Federal regulations | : TSCA 4(a) final test rules: Benzophenone  
  TSCA 8(a) PAIR: 4-Methoxyphenol; heptane; octamethyldicycletetrasiloxane; Decamethyldicyclopentasiloxane  
  TSCA 12(b) one-time export: Benzophenone |
| Clean Water Act (CWA) 307: toluene; Phenol  
  Clean Water Act (CWA) 311: toluene; Phenol |

**SARA 313**

<table>
<thead>
<tr>
<th>Supplier notification</th>
<th>Product name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>None identified.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxics in Packaging (CONEG): **In compliance.**

Canada inventory: **All components are listed or exempted.**

International regulations: **Australia inventory (AICS): All components are listed or exempted.**  
**China inventory (IECSC): All components are listed or exempted.**  
**Japan inventory (ENCS): All components are listed or exempted.**  
**Korea inventory: All components are listed or exempted.**  
**Malaysia Inventory (EHS Register): Not determined.**  
**New Zealand Inventory of Chemicals (NZIoC): Not determined.**  
**Philippines inventory (PICCS): All components are listed or exempted.**  
**Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.**  
**Turkey inventory: Not determined.**  
**Europe Inventory: Please contact your supplier to get the information.**

**Section 16. Other information**

National Fire Protection Association (U.S.A.)

- Flammability: 1
- Instability/Reactivity: 1
- Health: 2
- Special:

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Section 16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of issue/Date of revision : 2/12/2017
Date of previous issue : 1/12/2017
Version : 4.01

Regulatory information :
- Canada: (905) 796-2222
- US: (201) 933-4500
- PPG: (513) 681-5950

Key to abbreviations :
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

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.
VOLATILE COMPONENT INFORMATION

US EPA Designate

A. Product Density:
1.) 1.115 g/cm³ (9.309 lbs/gal)

B. Nonvolatile Content:
1.) 96.8 Weight percent of nonvolatiles in product
2.) 96.51 Volume percent of nonvolatiles in product
3.) 9.33 Density, lb nonvolatiles/gal nonvolatiles

C. Volatiles:
1.) 3.2 Weight percent of total volatiles in product
2.) 8.66 Density, lb volatiles/gal volatiles

D. Water Content:
1.) 0.02 Weight percent of water in product
2.) 0.02 Volume percent of water in product

E. Volatile Organic Compounds, (VOCs):
1.) 3.15 Weight percent of organic volatiles in product
2.) 3.38 Volume percent of organic volatiles in product
3.) 8.67 Density, lb organic volatiles/gal organic volatiles
4.) 98.44 Weight percent of VOCs in total volatiles
5.) 98.32 Volume percent of VOCs in total volatiles

F. VOC Content in Product Expressed in Other Terms:
1.) a.) 0.29 lb VOC / gal Product
1.) b.) 35.14 grams VOC / liter Product
2.) a.) 0.29 lb VOC / gal Product less water & exempt solvent
2.) b.) 35.16 grams VOC / liter Product less water & exempt solvent
2.) c.) 3.15 Weight percent of organic volatiles (VOC) in Product less water & exempt solvents.
3.) 0.3 lb VOC / gal total nonvolatiles
### G. Volatiles

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS number</th>
<th>% by weight</th>
<th>Density (lb/gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.) Hazardous Air Pollutants VOCs (HAPs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>acrylic acid</td>
<td>79-10-7</td>
<td>0.03</td>
<td>8.77</td>
</tr>
<tr>
<td>toluene</td>
<td>108-88-3</td>
<td>0.02</td>
<td>7.23</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0.02</td>
<td>9.09</td>
</tr>
<tr>
<td>2.) Other VOCs (Non-HAPs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyldiethanolamine</td>
<td>105-59-9</td>
<td>2.98</td>
<td>8.66</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>0.09</td>
<td>9.39</td>
</tr>
<tr>
<td>VOC's present at &lt;0.10% (cumulative)</td>
<td></td>
<td>0.01</td>
<td>5.7</td>
</tr>
<tr>
<td>3.) water</td>
<td>7732-18-5</td>
<td>0.02</td>
<td>8.34</td>
</tr>
<tr>
<td>4.) Ammonia (reported as CAS# 7664-41-7; includes CAS# 1336-21-6)</td>
<td>7664-41-7</td>
<td>0</td>
<td>5.99</td>
</tr>
<tr>
<td>5.) Other Non-VOC, Non-HAP Volatiles</td>
<td></td>
<td>0.04</td>
<td>8.58</td>
</tr>
</tbody>
</table>

NOTE: The term Volatile Organic Compounds (VOC) refers only to volatile organic materials as defined by the US EPA and does not include water, ammonia, acetone or other exempt solvents. Unless otherwise stated, the VOC values reported above are based on materials of construction.