

Date Prepared: 04/24/02
Supersedes: 08/01/01
Product Name: Duraguard 300 Color Tints

ChemMasters

Material Safety Data Sheet

1. Chemical Product and Company Information

Product Name: Duraguard 300 Color Tints

ChemMasters
300 Edwards Street
Madison, Ohio 44057
440-428-2105

In Case of Emergency Contact:
CHEMTREC 800/424-9300

2. Composition / Information on Ingredients

| Hazardous Components | CAS # | Exposure Limits | | | % by Wt |
|--------------------------|-------------|-----------------|-----------------|-------|---------|
| | | OSHA(PEL/TWA) | ACGIH (TLV/TWA) | OTHER | |
| Xylene | 1330-20-7 | 100 ppm | 100 ppm | — | 17% |
| Ethyl Benzene | 100-41-4 | 100 ppm | 100 ppm | | 4 % |
| Non-Hazardous Components | | | | | |
| Acrylic Polyol | Proprietary | | | | 19% |
| Pigment | | | | | 55% |
| Dispersants | Proprietary | | | | 5% |

3. Hazards Identification

WARNING!

FLAMMABLE LIQUID

Harmful if inhaled or swallowed

Causes irritation of eyes, skin and respiratory tract

Potential Health Hazards - Acute

Eye: Causes eye irritation. Direct contact with the liquid or exposure to its vapors may cause burning, tearing and redness. Effects of contact may not show for several hours.

Skin: May cause irritation. Prolonged or repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

Inhalation: Harmful if inhaled. May effect the brain or nervous system causing dizziness, headache or nausea. Can irritate the nose and throat. May cause allergic respiratory reaction similar to an asthma attack. Persons with impaired lung function or respiratory disorders may be more susceptible to vapors.

Ingestion: Harmful if swallowed. Liquid is moderately toxic; may produce CNS depression. May result in vomiting. Aspiration of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

Potential Health Effects - Chronic

Intentional abuse, misuse or other massive exposure may cause multiple organ damage and/or death. See Section 11 for supplemental information.

Carcinogenicity:

NTP
NO

IARC Monographs
NO

OSHA Regulated
NO

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4. First Aid Measures

Eye: Immediately flush with plenty of clean water. Get medical attention.

Skin: Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Seek medical attention! Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

5. Fire Fighting Measures

Flash Point (method used): 74°F (TCC with Agitation)

Flammable Limits (% volume in air): **Lower** = 1 **Upper** = 7 (Based on Xylene)

Auto Ignition Temperature: No data available

Extinguishing Media: Extinguish with water fog, dry chemical, CO₂ or foam. Water fog may cause frothing and should be applied carefully.

Hazard Combustion Products: Carbon monoxide, carbon dioxide, and volatile organic fractions.

Fire Fighting Instructions: Flammable. Closed containers may rupture violently when exposed to heat. Toxic and /or irritating vapors may be released during a spill. Combustion by products may be hazardous. Product will react with water. Use water only to cool containers or to disperse vapors. Reaction is not violent. Do not enter confined fire space without full bunker gear including a positive pressure, NIOSH approved, self-contained breathing apparatus.

6. Accidental Release Measures

Spill: Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Avoid personal contact. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Take up with absorbent material, place into non-leak containers and seal tightly for proper disposal.

7. Handling and Storage

Handling: Flammable. Static electricity may create a fire hazard. Always ground equipment and transfer containers. Keep liquid away from heat, sparks and flame. "Empty" containers can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize drums to empty them. Avoid inhalation of vapors and personal contact with product. Use only with adequate ventilation.

Storage: Store containers tightly closed with adequate ventilation in a cool, dry area.

8. Exposure Controls / Personal Protection

Exposure Controls: Follow guidelines for material tint is to be added.

Personal Protection: Follow guidelines for material tint is to be added.

9. Physical and Chemical Properties

Appearance: Pigmented liquid of medium viscosity

Odor: Sweet xylene, acetate odor

Boiling Point: 233-284°F

Melting Point: Not applicable

Vapor Pressure (mm/Hg): No data available

Vapor Density (Air = 1): >1

Solubility in Water: Negligible (<5%)

Specific Gravity (H₂O = 1): 1.11 - 1.67 (depending on color)

Evaporation Rate (n-Butyl Acetate = 1): 1.0

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10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Heat, sparks and flame

Incompatibility (materials to avoid): Strong oxidizing agents

Hazardous Decomposition or By-products: Thermal decomposition may yield carbon monoxide and/or carbon dioxide

Hazardous Polymerization: Will not occur

11. Toxicological Information

Xylene in high concentrations has resulted in hearing loss in laboratory rats. Intentional abuse of xylene vapors has been linked to damage of brain, liver, kidney and death in addition to cardiac effects in humans.

| Components | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 (rat) |
|------------|--------------------|-------------------------|--------------------------|
| Xylene | 4.3 g/kg | 4.0 g/kg | 6700 ppm/4 hours |

12. Ecological Information

Possible land, air and water pollutant. No exact data available.

13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area.

Under RCRA 40 CFR 261 this material is hazardous waste number D001.

14. Transportation Information

For U S National, International and Air Shipments:

Shipping Description: Paint, 3, UN1263, III

Emergency Response Guide Number: 128

Hazard Class: Flammable Liquid

15. Regulatory Information

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200)

CERCLA Reportable Quantity: 4760 pounds based on Xylene

SARA Title III:

Section 311/312 hazard categories: acute health, delayed health, fire

Section 313 reportable ingredients:

| Components | CAS # | Maximum % |
|---------------|-----------|-----------|
| Xylene | 1330-20-7 | 17 % |
| Ethyl Benzene | 100-41-4 | 4 % |

16. Other Information

MSDS Status: Revised entire

Industrial Abbreviation Legend follows.

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Industrial Abbreviation Legend

| | | | |
|--------|--|-------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists | mg/m ³ | milligrams per cubic meter |
| CAA | Clean Air Act (EPA) | NIOSH | National Institute for Occupational Safety and Health |
| CERCLA | Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA) | NTP | National Toxicology Program |
| CNS | Central Nervous System | OSHA | Occupational Safety and Health Administration |
| CWA | Clean Water Act (EPA) | PEL | Permissible Exposure Limit |
| DOT | Department of Transportation | ppm | parts per million |
| EPA | Environmental Protection Agency | RCRA | Resource Conservation and Recovery Act (EPA) |
| g/kg | grams per kilogram | SARA | EPA's Superfund Amendment and Reauthorization Act (EPA) |
| IARC | Internal Agency for Research on Cancer | STEL | Short-Term Exposure Limit, ACGIH terminology |
| LC50 | Lethal Concentration in which 50% of the test animals are expected to die | TLV | Threshold Limit Value |
| LD50 | Lethal Dose in which 50% of the test animals are expected to die | TWA | Time-Weighted Average |

THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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