

43212-6412

NAZDAR
INK TECHNOLOGIES

SAFETY DATA SHEET

Published Date
Nov-13-2023

Revision Date
Nov-13-2023

Revision Number
2.6

1. IDENTIFICATION**Product identifier**

Product code 5547
Product name Dark Royal Purple
Product category 5500 Series SV Screen Ink

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Industrial Printing Operations

Details of the supplier of the safety data sheet

| | |
|-------------------------|----------------------------|
| UNITED STATES | UNITED KINGDOM |
| Nazdar Company | Nazdar Limited |
| 8501 Hedge Lane Terrace | Barton Road |
| Shawnee, KS 66227 | Heaton Mersey |
| Tel: +001-913-422-1888 | Stockport, England SK4 3EG |
| Tel: +001-800-677-4657 | Tel: +44 161 442 2111 |
| Fax: +001-913-422-2294 | |
| www.nazdar.com | |

Emergency telephone number

USA: Chemtrec: +001-800-424-9300
Outside USA: Chemtrec: +001-703-527-3887
24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION**Classification**

| | |
|--|----------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Skin sensitization | Category 1 - (H317) |
| Carcinogenicity | Category 1B - (H350) |
| Specific target organ toxicity (repeated exposure) | Category 2 - (H373) |
| Aspiration hazard | Category 1 - (H304) |
| Chronic aquatic toxicity | Category 3 - (H412) |
| Flammable liquids | Category 3 - (H226) |

Label elements

Signal word
Danger

Hazard statements

H226 - Flammable liquid and vapor

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H304 - May be fatal if swallowed and enters airways
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H350 - May cause cancer
 H373 - May cause damage to organs through prolonged or repeated exposure
 H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

P201 - Obtain special instructions before use
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
 P308 + P313 - IF exposed or concerned: Get medical advice/attention
 P331 - Do NOT induce vomiting
 P403 + P235 - Store in a well-ventilated place. Keep cool

Hazards not otherwise classified (HNOC)

Causes mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

| Chemical name | CAS No. | Weight-% | Trade secret | Note |
|--|---------------|-----------|--------------|------|
| Petroleum distillates, hydrotreated light | 64742-47-8 | 10 - 30 | * | |
| Solvent naphtha, petroleum, light aromatic | 64742-95-6 | 10 - 30 | * | |
| Resin | Not Available | 10 - 30 | * | |
| Crystalline silica (cristobalite) | 14464-46-1 | 5 - 10 | * | |
| 1,2,4-Trimethylbenzene (constituent) | 95-63-6 | 5 - 10 | * | 1 |
| Talc | 14807-96-6 | 5 - 10 | * | |
| Ethylene glycol monopropyl ether | 2807-30-9 | 1 - 5 | * | |
| Titanium Dioxide | 13463-67-7 | 1 - 5 | * | |
| 1,3,5-Trimethylbenzene (constituent) | 108-67-8 | 1 - 5 | * | 1 |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 1 - 5 | * | |
| Cumene (constituent) | 98-82-8 | 0.1 - < 1 | * | 1 |
| Quartz, crystalline silica | 14808-60-7 | 0.1 - < 1 | * | |
| Ethyl benzene (constituent) | 100-41-4 | 0.1 - < 1 | * | 1 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Note

1. Hazardous Constituent contained in Complex Substance(s) required for disclosure

4. FIRST-AID MEASURES**Description of first aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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Most important symptoms and effects, both acute and delayed

None under normal use conditions.

Indication of any immediate medical attention and special treatment needed**Notes to Physician** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Unsuitable Extinguishing Media**

No information available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

7. HANDLING AND STORAGE**Precautions for safe handling****Handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

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Exposure limits

| Chemical name | ACGIH TLV |
|--|--|
| Crystalline silica (cristobalite) 14464-46-1 | TWA: 0.025 mg/m ³ respirable particulate matter |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | TWA: 10 ppm |
| Talc 14807-96-6 | TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter |
| Titanium Dioxide 13463-67-7 | TWA: 0.2 mg/m ³ nanoscale respirable particulate matter TWA: 2.5 mg/m ³ finescale respirable particulate matter |
| 1,3,5-Trimethylbenzene (constituent) 108-67-8 | TWA: 10 ppm |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 20 ppm |
| Cumene (constituent) 98-82-8 | TWA: 5 ppm |
| Quartz, crystalline silica 14808-60-7 | TWA: 0.025 mg/m ³ respirable particulate matter |
| Ethyl benzene (constituent) 100-41-4 | TWA: 20 ppm |

| Chemical name | OSHA PEL |
|---|---|
| Crystalline silica (cristobalite) 14464-46-1 | TWA: 50 µg/m ³ |
| Titanium Dioxide 13463-67-7 | TWA: 15 mg/m ³ total dust |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 100 ppm TWA: 435 mg/m ³ |
| Cumene (constituent) 98-82-8 | TWA: 50 ppm TWA: 245 mg/m ³ Skin |
| Quartz, crystalline silica 14808-60-7 | TWA: 50 µg/m ³ |
| Ethyl benzene (constituent) 100-41-4 | TWA: 100 ppm TWA: 435 mg/m ³ |

| Chemical name | OSHA PEL (vacated) |
|---|--|
| Crystalline silica (cristobalite) 14464-46-1 | TWA: 0.05 mg/m ³ respirable dust |
| Talc 14807-96-6 | TWA: 2 mg/m ³ respirable dust |
| Titanium Dioxide 13463-67-7 | TWA: 10 mg/m ³ total dust |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³ |
| Cumene (constituent) 98-82-8 | TWA: 50 ppm TWA: 245 mg/m ³ Skin |
| Quartz, crystalline silica 14808-60-7 | TWA: 0.1 mg/m ³ respirable dust |
| Ethyl benzene (constituent) 100-41-4 | TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³ |

| Chemical name | Ontario TWA EV |
|---|---|
| Crystalline silica (cristobalite) 14464-46-1 | TWA: 0.05 mg/m ³ respirable fraction |
| Talc 14807-96-6 | TWA: 2 mg/m ³ respirable fraction |
| Ethylene glycol monopropyl ether | TWA: 25 ppm |

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| | |
|---|---|
| 2807-30-9 | TWA: 110 mg/m ³ Skin |
| Titanium Dioxide 13463-67-7 | TWA: 10 mg/m ³ |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA: 100 ppm STEL: 150 ppm |
| Cumene (constituent) 98-82-8 | TWA: 50 ppm |
| Quartz, crystalline silica 14808-60-7 | TWA: 0.10 mg/m ³ respirable fraction |
| Ethyl benzene (constituent) 100-41-4 | TWA: 20 ppm |

| Chemical name | Mexico OEL (TWA) |
|---|--|
| Crystalline silica (cristobalite) 14464-46-1 | TWA/VLE-PPT: 0.025 mg/m ³ respirable fraction |
| Talc 14807-96-6 | TWA/VLE-PPT: 2 mg/m ³ respirable fraction STEL/PPT-CT: 2 mg/m ³ respirable fraction |
| Titanium Dioxide 13463-67-7 | TWA/VLE-PPT: 10 mg/m ³ |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | TWA/VLE-PPT: 100 ppm STEL/PPT-CT: 150 ppm |
| Cumene (constituent) 98-82-8 | TWA/VLE-PPT: 50 ppm |
| Quartz, crystalline silica 14808-60-7 | TWA/VLE-PPT: 0.025 mg/m ³ respirable fraction |
| Ethyl benzene (constituent) 100-41-4 | TWA/VLE-PPT: 20 ppm |

Appropriate engineering controls**Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur: Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hand Protection

Chemical resistant protective gloves.
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.
Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

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General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|--|--------------------------|----------------------------------|--------------------------|
| Physical state | Liquid | Appearance | Colored |
| Odor | Characteristic | Odor Threshold | No information available |
| Property | Values | Remarks - Method | |
| pH | | No data available | |
| Melting Point / Freezing Point | No information available | No data available | |
| Boiling Point / Boiling Range | > 149 °C / 300 °F | | |
| Flash Point | 39 °C / 102 °F | Pensky Martens Closed Cup (PMCC) | |
| Evaporation rate | | No data available | |
| Flammability Limit in Air | | | |
| Upper flammability limit | | No data available | |
| Lower flammability limit | | No data available | |
| Vapor Pressure | | No data available | |
| Vapor Density | | No data available | |
| Specific Gravity | 1.06 | | |
| Water Solubility | | No data available | |
| Solubility in other solvents | | No data available | |
| Partition coefficient: n-octanol/water | | No data available | |
| Autoignition Temperature | No information available | No data available | |
| Hyphen | | No data available | |
| Kinematic viscosity | | No data available | |
| Dynamic viscosity | | No data available | |
| Explosive Properties | No data available | | |
| Oxidizing Properties | No data available | | |

Other information

| | |
|-----------------------------|------|
| Photochemically Reactive | Yes |
| Weight Per Gallon (lbs/gal) | 8.82 |

| VOC by weight % (less water) | VOC by volume % (less water) | VOC lbs/gal (less water) | VOC grams/liter (less water) |
|---------------------------------|---------------------------------|-----------------------------|---------------------------------|
| 45.65 | 55.8 | 4.03 | 483.01 |

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

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Hazardous decomposition productsThermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO₂). Carbon monoxide.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye Contact | Specific test data for the substance or mixture is not available. |
| Skin Contact | Specific test data for the substance or mixture is not available. |
| Ingestion | Specific test data for the substance or mixture is not available. |

| Chemical name | Oral LD50 |
|--|-----------------------|
| Petroleum distillates, hydrotreated light 64742-47-8 | > 5000 mg/kg (Rat) |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | = 8400 mg/kg (Rat) |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | = 3280 mg/kg (Rat) |
| Ethylene glycol monopropyl ether 2807-30-9 | = 3089 mg/kg (Rat) |
| Titanium Dioxide 13463-67-7 | > 10000 mg/kg (Rat) |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | = 3500 mg/kg (Rat) |
| Cumene (constituent) 98-82-8 | = 1400 mg/kg (Rat) |
| Ethyl benzene (constituent) 100-41-4 | = 3500 mg/kg (Rat) |

| Chemical name | Dermal LD50 |
|--|--------------------------|
| Petroleum distillates, hydrotreated light 64742-47-8 | > 2000 mg/kg (Rabbit) |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | > 2000 mg/kg (Rabbit) |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | > 3160 mg/kg (Rabbit) |
| Ethylene glycol monopropyl ether 2807-30-9 | = 870 mg/kg (Rabbit) |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | > 4350 mg/kg (Rabbit) |
| Cumene (constituent) 98-82-8 | = 12300 µL/kg (Rabbit) |
| Ethyl benzene (constituent) 100-41-4 | = 15400 mg/kg (Rabbit) |

| Chemical name | Inhalation LC50 |
|--|-----------------------------------|
| Petroleum distillates, hydrotreated light 64742-47-8 | > 5.2 mg/L (Rat) 4 h |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | = 3400 ppm (Rat) 4 h |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | = 18 g/m ³ (Rat) 4 h |
| Ethylene glycol monopropyl ether 2807-30-9 | = 1530 ppm (Rat) 7 h |
| Titanium Dioxide 13463-67-7 | = 5.09 mg/L (Rat) 4 h |
| 1,3,5-Trimethylbenzene (constituent) 108-67-8 | = 24 g/m ³ (Rat) 4 h |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | = 29.08 mg/L (Rat) 4 h |
| Cumene (constituent) 98-82-8 | > 3577 ppm (Rat) 6 h |

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| | |
|---|-------------------------|
| Ethyl benzene (constituent) 100-41-4 | = 17.4 mg/L (Rat) 4 h |
|---|-------------------------|

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Specific test data for the substance or mixture is not available.
Eye damage/irritation Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components).
Irritation Specific test data for the substance or mixture is not available.
Corrosivity Specific test data for the substance or mixture is not available.
Sensitization Specific test data for the substance or mixture is not available. May cause an allergic skin reaction. (based on components).
Mutagenic Effects Specific test data for the substance or mixture is not available.
Carcinogenic effects Specific test data for the substance or mixture is not available. May cause cancer. (based on components).
Reproductive Effects Specific test data for the substance or mixture is not available.
STOT - single exposure Specific test data for the substance or mixture is not available.
STOT - repeated exposure Specific test data for the substance or mixture is not available. May cause damage to organs through prolonged or repeated exposure. (based on components).
Chronic Toxicity Specific test data for the substance or mixture is not available
Aspiration hazard Specific test data for the substance or mixture is not available. May be fatal if swallowed and enters airways. (based on components).
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH |
|---|-------|
| Crystalline silica (cristobalite) 14464-46-1 | A2 |
| Titanium Dioxide 13463-67-7 | A3 |
| Cumene (constituent) 98-82-8 | A3 |
| Quartz, crystalline silica 14808-60-7 | A2 |
| Ethyl benzene (constituent) 100-41-4 | A3 |

| Chemical name | IARC |
|---|----------|
| Crystalline silica (cristobalite) 14464-46-1 | Group 1 |
| Titanium Dioxide 13463-67-7 | Group 2B |
| Cumene (constituent) 98-82-8 | Group 2B |
| Quartz, crystalline silica 14808-60-7 | Group 1 |
| Ethyl benzene (constituent) 100-41-4 | Group 2B |

| Chemical name | NTP |
|---|------------------------|
| Crystalline silica (cristobalite) 14464-46-1 | Known |
| Cumene (constituent) 98-82-8 | Reasonably Anticipated |
| Quartz, crystalline silica 14808-60-7 | Known |

| Chemical name | OSHA |
|---|------|
| Crystalline silica (cristobalite) 14464-46-1 | X |
| Titanium Dioxide | X |

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| | |
|--|---|
| 13463-67-7 | |
| Cumene (constituent) 98-82-8 | X |
| Quartz, crystalline silica 14808-60-7 | X |
| Ethyl benzene (constituent) 100-41-4 | X |

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|-----------------|
| ATEmix (oral) | 99,999.00 mg/kg |
| ATEmix (dermal) | 19,853.80 mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 |
| ATEmix (inhalation-dust/mist) | 17.70 mg/l |
| ATEmix (inhalation-vapor) | 129.60 mg/l |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Specific test data for the substance or mixture is not available. Harmful to aquatic life with long lasting effects. (based on components).

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants |
|---|---|
| Cumene (constituent) 98-82-8 | 72h EC50 Pseudokirchneriella subcapitata: = 2.6 mg/L |
| Ethyl benzene (constituent) 100-41-4 | 72h EC50 Pseudokirchneriella subcapitata: = 4.6 mg/L 96h EC50 Pseudokirchneriella subcapitata: > 438 mg/L 72h EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L static 96h EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L static |

| Chemical name | Fish |
|--|--|
| Petroleum distillates, hydrotreated light 64742-47-8 | 96h LC50 Pimephales promelas: = 45 mg/L (flow-through) 96h LC50 Lepomis macrochirus: = 2.2 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 2.4 mg/L (static) |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | 96h LC50 Oncorhynchus mykiss: = 9.22 mg/L |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | 96h LC50 Pimephales promelas: 7.19 - 8.28 mg/L (flow-through) |
| Talc 14807-96-6 | 96h LC50 Brachydanio rerio: > 100 g/L (semi-static) |
| Ethylene glycol monopropyl ether 2807-30-9 | 96h LC50 Pimephales promelas: > 5000 mg/L (static) |
| 1,3,5-Trimethylbenzene (constituent) 108-67-8 | 96h LC50 Pimephales promelas: = 3.48 mg/L |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 96h LC50 Pimephales promelas: = 13.4 mg/L (flow-through) 96h LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L (static) 96h LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L 96h LC50 Poecilia reticulata: 30.26 - 40.75 mg/L (static) 96h LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L (flow-through) 96h LC50 Lepomis macrochirus: = 19 mg/L 96h LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L (static) 96h LC50 Pimephales promelas: 23.53 - 29.97 mg/L (static) 96h LC50 Cyprinus carpio: = 780 mg/L (semi-static) 96h LC50 Cyprinus carpio: > 780 mg/L |
| Cumene (constituent) 98-82-8 | 96h LC50 Pimephales promelas: 6.04 - 6.61 mg/L (flow-through) 96h LC50 Oncorhynchus mykiss: = 4.8 mg/L (flow-through) |

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| | |
|---|---|
| Ethyl benzene (constituent) 100-41-4 | 96h LC50 Oncorhynchus mykiss: = 2.7 mg/L (semi-static) 96h LC50 Poecilia reticulata: = 5.1 mg/L (semi-static) 96h LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 4.2 mg/L (semi-static) 96h LC50 Pimephales promelas: 7.55 - 11 mg/L (flow-through) 96h LC50 Lepomis macrochirus: = 32 mg/L (static) 96h LC50 Pimephales promelas: 9.1 - 15.6 mg/L (static) 96h LC50 Poecilia reticulata: = 9.6 mg/L (static) |
|---|---|

| Chemical name | Crustacea |
|--|--|
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | 48h EC50 Daphnia magna: = 6.14 mg/L |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | 48h EC50 Daphnia magna: = 6.14 mg/L |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 48h EC50 water flea: = 3.82 mg/L 48h LC50 Gammarus lacustris: = 0.6 mg/L |
| Cumene (constituent) 98-82-8 | 48h EC50 Daphnia magna: 7.9 - 14.1 mg/L Static 48h EC50 Daphnia magna: = 0.6 mg/L |
| Ethyl benzene (constituent) 100-41-4 | 48h EC50 Daphnia magna: 1.8 - 2.4 mg/L |

Persistence and Degradability

No information available.

Bioaccumulation

| Chemical name | Partition coefficient |
|---|-----------------------|
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | 3.63 |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | 2.77 - 3.15 |
| Cumene (constituent) 98-82-8 | 3.7 |
| Ethyl benzene (constituent) 100-41-4 | 3.2 |

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Waste Disposal Methods**

Contain and dispose of waste according to local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION**Note:**

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

DOT

In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [per Transportation of Dangerous Goods Regulations/Clear Language Part 1.33].

UN/ID no

UN1210

Proper Shipping Name

Printing Ink

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Transport hazard class(es) 3
Packing Group III

ICAO / IATA / IMDG / IMO

UN/ID no UN1210
Proper Shipping Name Printing Ink
Transport hazard class(es) 3
Packing Group III

15. REGULATORY INFORMATION**International Inventories**

All substances are listed as ACTIVE on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor).

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name | CAS No. | Weight-% | SARA 313 - Threshold Values % |
|--------------------------------------|-----------|-----------|-------------------------------|
| 1,2,4-Trimethylbenzene (constituent) | 95-63-6 | 5 - 10 | 1.0 |
| Ethylene glycol monopropyl ether | 2807-30-9 | 1 - 5 | 1.0 |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 1 - 5 | 1.0 |
| Cumene (constituent) | 98-82-8 | 0.1 - < 1 | 0.1 |
| Ethyl benzene (constituent) | 100-41-4 | 0.1 - < 1 | 0.1 |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

| Chemical name | CAS No. | Weight-% |
|--|-----------|-----------|
| Ethylene glycol monopropyl ether | 2807-30-9 | 1 - 5 |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 1 - 5 |
| Cumene (constituent) | 98-82-8 | 0.1 - < 1 |
| Xylenes (o-, m-, p- isomers) (constituent) | 1330-20-7 | 0.1 - < 1 |
| Ethyl benzene (constituent) | 100-41-4 | 0.1 - < 1 |

US State Regulations

| Chemical name | Massachusetts |
|--|---------------|
| Crystalline silica (cristobalite) 14464-46-1 | X |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | X |
| Talc 14807-96-6 | X |
| Titanium Dioxide 13463-67-7 | X |
| 1,3,5-Trimethylbenzene (constituent) 108-67-8 | X |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | X |
| Cumene (constituent) 98-82-8 | X |
| Quartz, crystalline silica 14808-60-7 | X |
| Ethyl benzene (constituent) 100-41-4 | X |

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| Chemical name | Minnesota Right To Know |
|---|----------------------------|
| Crystalline silica (cristobalite) 14464-46-1 | X |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | X |
| Talc 14807-96-6 | X |
| Titanium Dioxide 13463-67-7 | X |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | X |
| Cumene (constituent) 98-82-8 | X |
| Quartz, crystalline silica 14808-60-7 | X |
| Ethyl benzene (constituent) 100-41-4 | X |

| Chemical name | New Jersey |
|---|------------|
| Crystalline silica (cristobalite) 14464-46-1 | X |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | X |
| Talc 14807-96-6 | X |
| Ethylene glycol monopropyl ether 2807-30-9 | X |
| Titanium Dioxide 13463-67-7 | X |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | X |
| Cumene (constituent) 98-82-8 | X |
| Quartz, crystalline silica 14808-60-7 | X |
| Ethyl benzene (constituent) 100-41-4 | X |

| Chemical name | Pennsylvania |
|---|--------------|
| Crystalline silica (cristobalite) 14464-46-1 | X |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | X |
| Talc 14807-96-6 | X |
| Ethylene glycol monopropyl ether 2807-30-9 | X |
| Titanium Dioxide 13463-67-7 | X |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | X |
| Cumene (constituent) 98-82-8 | X |
| Quartz, crystalline silica 14808-60-7 | X |
| Ethyl benzene (constituent) 100-41-4 | X |

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

| Chemical name | California Proposition 65 |
|---------------|---------------------------|
| | |

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| | |
|-----------------------------|------------|
| Titanium Dioxide | Carcinogen |
| Cumene (constituent) | Carcinogen |
| Ethyl benzene (constituent) | Carcinogen |

Canada

| Chemical name | NPRI - National Pollutant Release Inventory |
|--|---|
| Petroleum distillates, hydrotreated light 64742-47-8 | Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements |
| Solvent naphtha, petroleum, light aromatic 64742-95-6 | Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements |
| 1,2,4-Trimethylbenzene (constituent) 95-63-6 | Part 1, Group A Substance Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants |
| Ethylene glycol monopropyl ether 2807-30-9 | Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants |
| 1,3,5-Trimethylbenzene (constituent) 108-67-8 | Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | Part 1, Group A Substance Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements Part 4 Substance - Criteria Air Contaminants |
| Cumene (constituent) 98-82-8 | Part 1, Group A Substance Part 4 Substance - Criteria Air Contaminants |
| Ethyl benzene (constituent) 100-41-4 | Part 1, Group A Substance Part 4 Substance - Criteria Air Contaminants |

16. OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | |
|---------|----------------------------------|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen
Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

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Pursuant to NOM-018-STPS-2015

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its

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publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet