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***SAFETY DATA SHEET***

**Revision date: 09/23/2015**

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND PHYSICAL PROPERTIES INFORMATION**

**DATE OF PREPARATION**

**09/23/2015**

**1203 E. 58th PLACE EMERGENCY PHONE Contact day phone**

**LOS ANGELES, CA 90001 CHEMTREC (800) 424-9300 323-231-3957**

**DAY OR NIGHT**

 **Manufacture’s code Product Class**

 **LC-1000-275-90, 40, 20, 10 W.W LAQUER SERIES**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

VOC 275/ 70 grams per liter coatings / material VOC

Wt/gal 6.8 to 7

Solids = 1.5 -1.6 lb/gal

**Section 2: HAZARDS IDENTIFICATION**

## Classification

|  |  |
| --- | --- |
| * Skin corrosion/irritation
 | * Category 2
 |
| * Serious eye damage/eye irritation
 | * Category 2
 |
| * Specific target organ toxicity (single exposure)
 | * Category 3
 |
| * Flammable liquids
 | * Category 2
 |

**Label elements**



**HAZARD STATEMENTS**

* Highly flammable liquid and vapor Causes skin irritation
* Causes serious eye irritation
* May cause drowsiness or dizziness

## PREVENTION

* Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.

## RESPONSE

* Get medical advice/attention if you feel unwell.

## Eyes

* 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 advice/attention.

## Skin

* If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

## Inhalation

* IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

##  Ingestion

* Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

## Fire

* In case of fire: Use CO2, dry chemical, or foam for extinction.

## STORAGE

* Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

## DISPOSAL

* Dispose of contents/containers in accordance with local regulations.

## HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

* Not applicable.

## OTHER HAZARDS

* Spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

**UNKNOWN ACUTE TOXICITY**

* 0% of the mixture consists of ingredient(s) of unknown toxicity.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| **Chemical Name** | **CAS No** | **weight-%** |
| Acetone | 67-64-1 | 50 - 70 |
| Xylene | 1330-20-7 | 1 - 5 |
| 2-Butoxyethanol | 111-76-2 | 1 - 5 |

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

**Section 4: FIRST AID MEASURES**

## First Aid Measures

**General advice**

* Get medical advice/attention if you feel unwell.

## Eye contact

* 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 advice/attention.

## Skin Contact

* If skin irritation occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

## Inhalation

* IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

## Ingestion

* Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

* **Symptoms** No information available.

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

* **Note to physicians** Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

## Suitable extinguishing media

* Dry chemical, CO2, water spray or alcohol-resistant foam. Not to be used for safety reasons: Strong water jet

## Specific hazards arising from the chemical

* Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. Spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal. Keep product and empty container away from heat and sources of ignition.

## Special protective equipment for fire-fighters

* Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

**Section 6: ACCIDENTAL RELEASE MEASURES**

## Personal precautions, protective equipment and emergency procedures

**Personal precautions**

* Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

## For emergency responders

* Use personal protection recommended in Section 8.

## Environmental precaution

## Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for containment**

* Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

* Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**Section 7: HANDLING AND STORAGE**

## Precautions for safe handling

**Advice on safe handling**

* Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in

Well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Risk of self-ignition of used cleaning rags, paper wipes etc.

* Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

## General Hygiene Considerations

* When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

## Conditions for safe storage, including any incompatibilities

**Storage Conditions**

* Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

## Incompatible materials

* Bases. Strong oxidizing agents. Acids.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Control parameters

**Exposure Limits**

* If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **ACGIH TLV** | **OSHA PEL** | **NIOSH IDLH** |
| Acetone 67-64-1 | STEL: 750 ppmTWA: 500 ppm | TWA: 1000 ppmTWA: 2400 mg/m3 | IDLH: 2500 ppmTWA: 250 ppmTWA: 590 mg/m3 |
| Xylene 98-56-6 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm STEL: 150 ppm PEL: 100 ppm mg/m3 dust |  REL: 100 ppm STEL: 150 ppm |
| 2-Butoxyethanol 111-76-2 | TWA: 20 ppm | TWA: 50 ppmTWA: 240 mg/m3 S\* | IDLH: 700 ppmTWA: 5 ppmTWA: 24 mg/m3 |

## Appropriate engineering controls

**Engineering Controls**

* Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. 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).

## Skin and body protection

* Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear suitable protective clothing.

## Hand Protection

* There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

## Respiratory protection

* In case of inadequate ventilation wear respiratory protection.

## Thermal Protection

* No information available

**Section 9: DISPOSAL CONSIDERATIONS**

## Waste treatment methods

**Disposal of wastes**

* Disposal should be in accordance with applicable regional, national and local laws and

 Regulations.

**Contaminated packaging**

* Improper disposal or reuse of this container may be dangerous and illegal. Empty

 Containers must be scrapped or reconditioned.

**Section 10: PHYSICAL AND CHEMICAL PROPERTIES**

## Information on basic physical and chemical properties

|  |
| --- |
|  |
| **Physical state** liquid |
| **Appearance** No information |
| **Odor** No information |
| **Color clear** |
| **Odor Threshold** No information |
| **pH value** No information  **Melting point/freezing point** No information **Boiling point / boiling range** 56.05 °C / 133 °F **flash point** -17 °C / 1 °F |
| **Evaporation rate** No information |
| **Flammability (solid, gas)** No information |
| Flammability Limit in Air |
| **Upper flammability limit:** No information **Lower flammability limit:** No information |
| **Vapor Pressure** No information |
| **Vapor density** No information |
| Density (lbs per US gallon) 6.8 to 7.0 |
| **Specific gravity 0.8** |
| **Solubility (ies)** No information |
| **Partition coefficient** No information **Auto ignition temperature** No information  **Decomposition temperature** No information  **Kinematic viscosity** No information |
| **Dynamic viscosity** No information |

## Other information

**Section 11: STABILITY AND REACTIVITY**

**Reactivity**

* No information available.

**Chemical stability**

* Stable under normal conditions.

 **Possibility of Hazardous Reactions**

* None under normal processing.

**Hazardous polymerization**

* None under normal processing.

 **Conditions to avoid**

* Heat, flames and sparks.

**Incompatible materials**

* Bases. Strong oxidizing agents. Acids.

**Hazardous Decomposition Products**

* Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Chlorine.

**Section 12: TOXICOLOGICAL INFORMATION**

## Information on likely routes of exposure

**Eye contact**

* Causes serious eye irritation

**Skin Contact**

* Causes Skin irritation.

**Ingestion**

* Not applicable

## Inhalation

* May cause drowsiness or dizziness

## Numerical measures of toxicity - Component Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Oral LD50** | **Dermal LD50** | **Inhalation LC50** |
| Acetone 67-64-1 | - | - | = 50100 mg/m3 ( Rat ) 8 h |
| Xylene)- 1330-20-7 | = 4.3 g/kg ( Rat ) | = 14.1 g/kg  | = 4,544 mg/L ( Rat ) 4 h |
| 2-Butoxyethanol 111-76-2 | = 470 mg/kg ( Rat ) | = 99 mg/kg ( Rabbit ) | = 450 ppm ( Rat ) 4 h |

**Numerical measures of toxicity - Product Information**

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

 **ATE mix (oral)**

 10580 Mg/kg

**ATE mix (dermal)**

 23275Mg/kg

 **ATE mix (inhalation-dust/mist)**

31.7 mg/l

**ATE mix (inhalation-vapor)**

233 mg/l

**UNKNOWN ACUTE TOXICITY**

* 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chemical Name** | **ACGIH** | **IARC** | **NTP** | **OSHA** |
| 2-Butoxyethanol 111-76-2 | A3 |  |  |  |

***ACGIH (American Conference of Governmental Industrial Hygienists)***

*A3 - Animal Carcinogen.*

**Skin corrosion/irritation**

* Causes skin irritation

 **Serious eye damage/eye irritation**

* Causes serious eye irritation

**Skin sensitization**

* Not applicable

**Respiratory sensitization**

* Not applicable

**Germ cell mutagenicity**

* Not applicable

**Carcinogenicity**

* Not applicable

**Reproductive Toxicity**

* Not applicable

**Specific target organ toxicity (single)**

* May cause drowsiness or dizziness

**Specific target organ toxicity (repeated exposure)**

 Not applicable

 **Aspiration hazard**

* Not applicable

**Section 13: ECOLOGICAL INFORMATION**

## Eco toxicity

* Environmental precautions, Prevent product from entering drains.

## Persistence and degradability

* No information available

## Bioaccumulation

* No information available

## Mobility

* No information available

**Other adverse effects**

* No information available

**Section 14: TRANSPORT INFORMATION**

**DOT IMDG IATA**

**UN/ID no** UN1263 UN1263 UN1263

**Proper shipping name** Paint Paint Paint

 **Hazard Class** 3 3 3

**Packing Group** II II II

**Environmental hazard** Not applicable

**Special Provisions**

149, B52, IB2, T4, TP1, TP8, TP28

**Emergency Response Guide Number**

128

163

**EmS-No**

F-E, S-E

A3, A72

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**No information available

**Section 15: REGULATORY INFORMATION**

# International Inventories

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

All components are listed or exempt from listing.

**DSL** - Canadian Domestic Substances List

All components are listed or exempt from listing

# US Federal Regulations

|  |  |
| --- | --- |
| **Chemical Name** | **TSCA - Toxic Substances Control Act, Section 12(b) Export Notification** |
| Xylene – 1330-20-7 | Section 4 |

|  |  |  |
| --- | --- | --- |
| **Chemical Name** | **SARA 313 - Threshold Values %** | **Hazardous air pollutants (HAPs) content** |
| 2-Butoxyethanol 111-76-23 - 5 | 1 |  |

## SARA 311/312 Hazard Categories

* **Acute health hazard** Yes
* **Chronic Health Hazard** No
* **Fire hazard** Yes
* **Sudden release of pressure hazard** No
* **Reactive Hazard** No

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Hazardous Substances RQs** | **CERCLA/SARA RQ** | **Reportable Quantity (RQ)** |
| Acetone 67-64-1 | 5000 lb |  | RQ 5000 lb final RQ RQ 2270 kg final RQ |

**US State Regulations**

**Rule 66 status of product**

* Not photo chemically reactive.

## California Proposition 65

* WARNING! This product contains a chemical known in the State of California to cause cancer.

## U.S. EPA Label information

* **EPA Pesticide registration number** Not applicable

## U.S. State Right-to-Know Regulations

|  |
| --- |
| Chemical Name |
| Acetone 67-64-1 |
|  Xylene 98-56-6 |
| Cellulosic Polymer |
| 2-Butoxyethanol 111-76-2 |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |

**Section 16: OTHER INFORMATION**

## HMIS

## Health hazards 2

## Flammability 3

## Physical hazards 0

## Personal Protection X

 **Supplier Address**

 MC Crystal

1203 E. 58th Place Los Angeles, CA 90001

 **Prepared By** V.K

**Revision date** 09/23/2015

##

## Disclaimer

## The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside of MC Crystal knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS MC Crystal AGREES OTHERWISE IN WRITING, MC Crystal MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. MC Crystal WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**End of Safety Data Sheet**