GS Plastics, LLC

# SAFETY DATA SHEET

**Issue Date** 23-Oct-2015 **Revision Date** 23-Oct-2015 **Version** 1

## 1. IDENTIFICATION

**Product identifier**

**Product Name** XL-8 ALL COLORS

**Other means of identification**

**Product Code** CPDXL8
**UN/ID no.** Paint, 3, UN 1263, II
**Synonyms** Solvent Based Paint

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

**Recommended Use** Restricted to professional users.
**Uses advised against** Consumer use.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**
GS Plastics, LLC 255 Rosemont Road Bassett, VA 24055 http://www.gsplasticsllc.com

**Emergency telephone number**

**Company Phone Number** 1-276-629-7981
**Emergency Telephone** ChemTel Inc. 1-800-255-3924 - Toll Free North America 800-255-3924 or International +01-813-248-0585

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

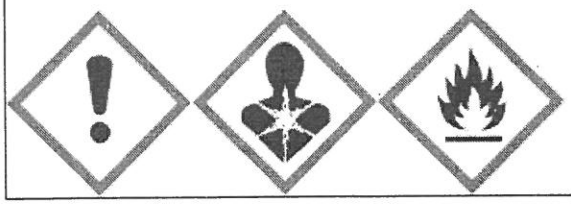
| | |
|---|---|
| Acute toxicity - inhalation (Dusts/Mists) | Category 4 |
| Serious eye damage/eye irritation | Category 2A |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable liquids | Category 2 |

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**
Harmful if inhaled
Causes serious eye irritation
Suspected of causing cancer
May cause respiratory irritation. May cause drowsiness or dizziness
Highly flammable liquid and vapor



| | | |
|---|---|---|
| **Appearance** Thick | **Physical state** Liquid | **Odor** Solvent |

**Precautionary Statements - Prevention**
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
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
Keep cool

**Precautionary Statements - Response**
If exposed or concerned: Get medical advice/attention
IF IN EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing and consult with medical professional for further treatment.
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**
Store locked up
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not applicable

**Other Information**
May be harmful if swallowed Harmful to aquatic life with long lasting effects

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**
**Mixture** This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components.
**Synonyms** Solvent Based Paint.

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | 30 - 60 | * |
| Methylisobutyl ketone | 108-10-1 | 10 - 30 | * |
| Cyclohexanone | 108-94-1 | 1 - 5 | * |

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

## 4. FIRST AID MEASURES

**Description of first aid measures**

**Eye contact** If symptoms develop, immediately move individual away from exposure and into fresh air. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

**Skin contact** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel should give oxygen. Keep person warm and quiet; seek immediate medical attention.

**Ingestion** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

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

**Symptoms** May irritate, cause redness and pain.

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

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Foam, alcohol foam, CO2, dry chemical, water fog.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**
Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

**Hazardous combustion products** Carbon dioxide (CO2). Carbon monoxide. Formaldehyde. Unidentified organic compounds.

**Explosion data**
**Sensitivity to Mechanical Impact** No information available.
**Sensitivity to Static Discharge** No information available.

**Protective equipment and precautions for firefighters**
Water may be innefective. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Other Information** Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Note: Use only non-sparking equipment to clean up spill.

**Methods for cleaning up** Absorb liquid on vermiculite, floor absorbent or other absorbent material. Scoop or scrape up using non-sparking equipment. Put container for recovery or disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers should be grounded and/or bonded when material is transferred. Warning: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "auto-ignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

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

**Storage Conditions** Avoid exposure to heat sources such as direct sunlight or steam pipes.

**Incompatible materials** Avoid contact with strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Methyl ethyl ketone<br>78-93-3 | STEL: 300 ppm<br>TWA: 200 ppm | TWA: 200 ppm<br>TWA: 590 mg/m$^3$<br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 590 mg/m$^3$<br>(vacated) STEL: 300 ppm<br>(vacated) STEL: 885 mg/m$^3$ | IDLH: 3000 ppm<br>TWA: 200 ppm<br>TWA: 590 mg/m$^3$<br>STEL: 300 ppm<br>STEL: 885 mg/m$^3$ |
| Methylisobutyl ketone<br>108-10-1 | STEL: 75 ppm<br>TWA: 20 ppm | TWA: 100 ppm<br>TWA: 410 mg/m$^3$<br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 205 mg/m$^3$<br>(vacated) STEL: 75 ppm<br>(vacated) STEL: 300 mg/m$^3$ | IDLH: 500 ppm<br>TWA: 50 ppm<br>TWA: 205 mg/m$^3$<br>STEL: 75 ppm<br>STEL: 300 mg/m$^3$ |
| Cyclohexanone<br>108-94-1 | STEL: 50 ppm<br>TWA: 20 ppm<br>S* | TWA: 50 ppm<br>TWA: 200 mg/m$^3$<br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 100 mg/m$^3$<br>(vacated) S* | IDLH: 700 ppm<br>TWA: 25 ppm<br>TWA: 100 mg/m$^3$ |

**Appropriate engineering controls**

**Engineering Controls** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain

exposure below TLV(s).

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative. |
| **Skin and body protection** | Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. |
| **Respiratory protection** | If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. |
| **General Hygiene Considerations** | Handle in accordance with good industrial hygiene and safety practice. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical state** | Liquid | | |
| **Appearance** | Thick | **Odor** | Solvent |
| **Color** | All Colors (Except Greent) | **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | No information available | |
| **Melting point / freezing point** | No information available | |
| **Boiling point / boiling range** | 79.444 °C | |
| **Flash point** | > -6.11 °C 21 °F | CC (closed cup) |
| **Evaporation rate** | Slower than Ether | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limit in Air** | | |
| **Upper flammability limit:** | No information available | |
| **Lower flammability limit:** | No information available | |
| **Vapor pressure** | No information available | |
| **Vapor density** | Heavier than air | |
| **Relative density** | 7.64 LB/GL | |
| **Water solubility** | No information available | |
| **Solubility in other solvents** | No information available | |
| **Partition coefficient** | No information available | |
| **Autoignition temperature** | No information available | |
| **Decomposition temperature** | No information available | |
| **Kinematic viscosity** | No information available | |
| **Dynamic viscosity** | No information available | |
| **Explosive properties** | No information available | |
| **Oxidizing properties** | No information available | |

**Other Information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC Content (%)** | 68% |
| **Density** | No information available |
| **Bulk density** | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**
No data available

**Chemical stability**
Stable under recommended storage conditions.
**Possibility of Hazardous Reactions**
None under normal processing.
**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid**
Incompatible materials.
**Incompatible materials**
Avoid contact with strong oxidizing agents.
**Hazardous Decomposition Products**
Carbon monoxide. Carbon dioxide (CO2). Formaldehyde. Unidentified organic compounds.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** PRIMARY ROUTES OF EXPOSURE: Inhalation, Skin & Eye Contact from liquid, vapors or aerosols.

**Inhalation** May be harmful if inhaled.

**Eye contact** Causes serious eye irritation.

**Skin contact** Prolonged or repeated skin contact may cause drying, cracking, or irritation.

**Ingestion** None known.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Methyl ethyl ketone 78-93-3 | = 2737 mg/kg ( Rat ) = 2483 mg/kg ( Rat ) | = 5000 mg/kg ( Rabbit ) = 6480 mg/kg ( Rabbit ) | = 11700 ppm ( Rat ) 4 h |
| Methylisobutyl ketone 108-10-1 | = 2080 mg/kg ( Rat ) | = 3000 mg/kg ( Rabbit ) | = 8.2 mg/L ( Rat ) 4 h |
| Cyclohexanone 108-94-1 | = 1544 mg/kg ( Rat ) | = 947 mg/kg ( Rabbit ) | = 8000 ppm ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.
**Germ cell mutagenicity** No information available.
**Carcinogenicity** No information available.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Methylisobutyl ketone 108-10-1 | A3 | Group 2B | - | X |
| Cyclohexanone 108-94-1 | A3 | Group 3 | - | - |

**Reproductive toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

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

| | |
|---|---|
| **ATEmix (oral)** | 4,476.00 |
| **ATEmix (dermal)** | 5,327.00 |
| **ATEmix (inhalation-dust/mist)** | 3.36 |
| **ATEmix (inhalation-vapor)** | 18,480.00 |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

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

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Cyclohexanone<br>108-94-1 | 20: 96 h Chlorella vulgaris mg/L EC50 | 481 - 578: 96 h Pimephales promelas mg/L LC50 flow-through<br>8.9: 96 h Pimephales promelas mg/L LC50 | 800: 24 h Daphnia magna mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical Name | Partition coefficient |
|---|---|
| Methyl ethyl ketone<br>78-93-3 | 0.29 |
| Methylisobutyl ketone<br>108-10-1 | 1.19 |
| Cyclohexanone<br>108-94-1 | 0.86 |

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|---|---|---|---|
| Cyclohexanone<br>108-94-1 | - | Included in waste stream:<br>F039 | - | U057 |

| Chemical Name | California Hazardous Waste Status |
|---|---|
| Methyl ethyl ketone<br>78-93-3 | Toxic<br>Ignitable |

## 14. TRANSPORT INFORMATION

**DOT**

| | |
|---|---|
| **UN/ID no.** | Paint, 3, UN 1263, II |
| **Proper shipping name** | Flammable liquid |

## 15. REGULATORY INFORMATION

### International Inventories

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances

### US 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 | SARA 313 - Threshold Values % |
|---|---|
| Methylisobutyl ketone - 108-10-1 | 1.0 |

**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 |

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Methyl ethyl ketone<br>78-93-3 | 5000 lb | - | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Methylisobutyl ketone<br>108-10-1 | 5000 lb | - | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Cyclohexanone<br>108-94-1 | 5000 lb | - | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### US State Regulations

**California Proposition 65**
This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|---|---|
| Methylisobutyl ketone - 108-10-1 | Carcinogen<br>Developmental |

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

This product contains the following substance(s) regulated by state right-to-know regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Methyl ethyl ketone<br>78-93-3 | X | X | X |
| Methylisobutyl ketone<br>108-10-1 | X | X | X |
| Cyclohexanone<br>108-94-1 | X | X | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health hazards** 2 | **Flammability** 3 | **Instability** 0 | **Physical and Chemical Properties** - |
| **HMIS** | **Health hazards** 0 | **Flammability** 0 | **Physical hazards** 0 | **Personal protection** - |

**Prepared By** GS Plastics, LLC
**Issue Date** 23-Oct-2015
**Revision Date** 23-Oct-2015
**Revision Note**
No information available

**Disclaimer**

**The information in this Safety Data Sheet should be provided to all who will u se, handle, store, transport, or otherwise be exposed to this product. The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.**

End of Safety Data Sheet