

# Kaspar Graphic Solutions

2185 - Inman, SC 29349  
Office: (864) 472-6604

## Safety Data Sheet

**Material Identity:** KGS-XO  
**Version 4.5** (04/2015)

### SECTION 1 • COMPANY AND PRODUCT IDENTIFICATION

**Manufacturer:**  
Kaspar Graphic Solutions  
2185 HWY 292  
Inman, SC 29349

**Emergency Phone:** (800) 424-9300  
**Information Phone:** (864) 472 - 0334  
**Synonyms:** KGS-XO

### SECTION 2 • HAZARDS IDENTIFICATION

#### **GHS Classification:**

[ Health ]	[ Environmental ]	[ Physical ]
Acute toxicity, Oral (Category 4) (Category 1)	Acute aquatic toxicity (Category 3)	Flammable Liquid
Skin Irritation (Category 3)		
Eye Irritation (Category 2B)		
Aspiration Hazard (Category 1)		

#### **GHS Label Elements, including precautionary statements**

#### **Pictograms**



**Signal Word:** Danger

#### **Hazard Statements:**

H227: Combustible liquid  
H304: May be fatal if swallowed and enters airways

#### **Precautionary Statements:**

P210: Keep away from flames and hot surfaces – No smoking  
P280: Wear protective gloves and eye/face protection  
P332 + P313: If skin irritation occurs: Get medical advice/attention.  
P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction  
P403 + P235: Store in a well-ventilated place. Keep cool  
P405: Store locked up.  
P501: Dispose of contents and container in accordance with local regulations

### SECTION 3 • COMPOSITION AND INFORMATION ON INGREDIENTS

<b>Component</b>	<b>CAS #</b>	<b>Weight %</b>
Isopropyl aromatic compounds (proprietary)	mixture	20-35
Distillates, Petroleum, Hydrotreated Light	64742-47-8	40-55
Benzyl Alcohol	100-51-6	15-30

### SECTION 4 • FIRST AID MEASURES

<b>Inhalation:</b>	Seek fresh air immediately. If breathing is difficult, get medical attention.
<b>Eyes:</b>	Flush with water for at least 15 minutes with eyelids forced open. If irritation develops, get medical attention.
<b>Skin:</b>	Remove contaminated clothing. Wash affected areas with soap and water. If irritation develops, get medical attention.
<b>Ingestion:</b>	Drink lots of water to dilute substance. Get medical attention. Do not induce vomiting for fear of aspiration.

### SECTION 5 • FIRE FIGHTING PROCEDURES

**Extinguishing Media:** To extinguish flames use water spray, carbon dioxide, dry chemical, or fire fighting foam.

**Fire Fighting Instructions:** Cool exposed containers with water spray. Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and full bunker firefighter's protective clothing.

**Fire and Explosion Hazards:** Containers can rupture and explode under fire conditions due to pressure and vapor build up. Heated vapors may form explosive mixture with air. Vapors may travel across the ground and reach an ignition source.

### SECTION 6 • ACCIDENTAL RELEASE AND DISPOSAL MEASURES

Ventilate the area and stop source of spill. Salvage and recycle as much material as possible. Eliminate sources if ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. Solvent soaked materials may spontaneously combust.

For larger spills, dike spill, recover free liquid, collect with an electrically protected vacuum cleaner or by wet-brushing, and use absorbent material to dry area and then rinse area with water. Put all materials into appropriate waste containers. Avoid contaminating ground and surface water.

## SECTION 7 • HANDLING AND STORAGE

**Precautions to be taken in Handling and Storage:** Wear chemical safety glasses, gloves, goggles, and apron. Containers should be grounded to prevent electrostatic accumulation hazard particularly during transfer operations involving large volumes of material.

**Other Precautions:** Store in a cool, dry, well-ventilated area in tightly closed, properly labeled metal or glass containers. Do not store in plastic. Avoid heat, sparks, and open flames.

## SECTION 8 • EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** Use explosion proof ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

**Exposure Limits:** HPS-XO                      15 ppm ACGIH                      10 ppm OSHA

### **Personal Protective Equipment (PPE):**

**Respiratory Protection:** Respirator is not required under normal conditions. Organic vapor cartridge may be used for odor elimination or when vapor exposure is excessive or prolonged. Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA. Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Skin Protection:** Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

**Eye Protection:** Wear chemical safety glasses, goggles, or face shield to prevent eye contact.

**Other Equipment:** Adequate explosion proof ventilation to control airborne concentrations below the exposure limits. Eye wash station and drenching shower in close proximity to use are advised.

## SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid, colorless to light amber.
<b>Odor:</b>	Mild solvent odor.
<b>Physical State:</b>	Liquid
<b>pH:</b>	neutral
<b>Vapor Pressure:</b>	0.78 mmHg average.
<b>Vapor Density:</b>	5.93 @ 20°C (air=1.0).
<b>Boiling Point:</b>	192°C (378°F) @ atm pres.
<b>Flashpoint:</b>	71.6°C (161°F) TCC
<b>Freezing Point:</b>	<-0°C (<-32°F)

**Solubility in water:** approx. 4%.  
**Specific Gravity:** 0.868 @ 25°C  
**VOC Content:** 834 g/l @ 25°C  
**Molecular Weight:** 142.5 mixture average (est).  
**Chemical Formula:** mixture

### **SECTION 10 • STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Excessive temperatures and/or contact with air may cause decomposition or oxidation.  
**Materials to Avoid:** Avoid contact with strong acids, strong bases, and oxidizing agents.  
**Decomposition Products:** Ultimate decomposition products are CO<sub>2</sub> and water.  
**Hazardous Polymerization:** Will not occur.

### **SECTION 11 • TOXICOLOGY INFORMATION**

#### **Signs and Symptoms of Overexposure:**

**Skin:** Contact can cause redness, irritation and drying. Severity depends on the amount and duration of exposure.  
**Eyes:** Vapors may be irritating to the eyes. Liquid contact will cause stinging and tearing.  
**Inhalation:** Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.  
**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

**Acute Oral Toxicity:** HPS-XO: LD<sub>50</sub> rat: > 5000 mg/kg  
**Acute Inhalation Toxicity:** HPS-XO: LC<sub>50</sub> rat: 4.3 mg/l  
**Acute Dermal Toxicity:** HPS-XO: LD<sub>50</sub> rabbit: 2000 – 4000 mg/kg

### **SECTION 12 • ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not expected to be harmful to aquatic organisms. Not expected to demonstrate chronic toxicity to aquatic organisms.  
**Bio-accumulative potential:** Bioaccumulation of this product is unlikely. This product is readily biodegradable.  
**Mobility:** This product is moderately mobile in soil and likely to volatilize from soil surface.

### **SECTION 13 • DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Recover free liquid. Absorb residue with sand or clay.  
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification

determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

#### **SECTION 14 • TRANSPORT INFORMATION**

##### **US Department of Transportation (Road or Rail):**

**US DOT Status:** Regulated by the US Department of Transportation

**Proper Shipping Name:** Combustible liquid, n.o.s. (aromatic compounds)

**Hazard Class:** None

**UN Number:** 1993

**Packaging Group:** 3

**Exceptions (drums):** Not Regulated.

This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

##### **IMDG**

**Proper shipping name:** Environmentally hazardous substance, liquid, N.O.S., 9, UN3082, PGIII

**Hazard Class:** 9

**UN Number:** 3082

**Packaging Group:** 3

#### **SECTION 15 • REGULATORY INFORMATION**

##### **US FEDERAL REGULATIONS**

###### **Comprehensive Environmental Response and Liability Act (CERCLA)**

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

**TSCA (USA):** All ingredients are listed on the TSCA inventory.

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 1000 pounds. If appropriate, immediately report to the National Response Center (800-424-8802) as required by US Federal Law. Also contact appropriate state and local regulatory agencies.

**SARA 311/312 (40 CFR 372) Hazards Categories:** Acute Hard, Delayed Hazard

**SARA 313 (40 CFR 372) Hazard Categories:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** None of the chemicals in this product are listed under the CWA.

**Clean Air Act:** None of the chemicals in this product are listed as Hazardous Substances under the CAA.

**California Prop 65:** No significant Risk Level: None of the chemicals in this product are known by the State of California to cause cancer, birth defects or other reproductive harm.

### **SECTION 16 • OTHER INFORMATION**

**SDS Revision Date:** April 2015

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**HMIS Ratings:** Health = 1 Flammability = 1 Reactivity = 0 Personal Protection = C

**NFPA Ratings:** Health = 0 Flammability = 1 Reactivity = 0

(0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

The information contained on the Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive or fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.