

SPINKS INDIA

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Product Information : 7600 Series

Document No. : MSDS-2019 3

Identification of the Substance & Information of the Manufacture

Product Item : 7600	Glass Screen Printing Ink
Supplier : Spinks India	

Information of Component

Pure Mixture

Chemical Character : Mirror Silver

Chemical Component	Concentration (Percentage)	CAS NO.
4,4 ' - (1- methyl ethyl) - bis phenol with (CL) ethylene oxide polymer	47%	25068-38-6
Syn-trimethyl benzene	15%	5468-75-7
Ethylene Glycol Monobutyl Ether	33%	111-76-2
Silicone additives	5%	14808-60-7

Hazard Identification :

Category :	3.3rd High Flashing Point & Easily Ignite Liquid
Invasion Method :	Through Breath, Food or Skin
*Influence for Health :	Make the eyes, skin, and mucous membrane uncomfortable; skin to be arid; Nerve to be narcosis; Even make people lethargy or dizziness.
* Influence to Environment	Pollute water , and be dangerous environment.
* Physical & Chemical Harm	When the temperature is on or above the flashing point ,it is easy to make the leaked gas and liquid to be dangerous mixture which is easily cause the burning or exploding danger.

Method of Emergency Treatment

Breath	Depart to the place with good ventilation ; It is necessary to make the artificial respiration immediately in the case of sufferer stopping breath , or to seek the medical help.
Skin	After rinse immediately with the soap water, then clean thoroughly with pure water.
Eyes	Rinse immediately with pure or physical saline at least 20 minutes and send to hospital.
Ingestion	If the grown-up devours over 30ml, who should be sent to hospital for the medical treat.

Measure of Fire Fighting

Suitable Extinguishing Media	Forth & powder, CO ₂ fire-extinguish agent, Halogenide fire extinguisher, the fire fighting forth is epically for the hard fire.
Special Exposure Hazards	The gas & liquid are inflammable; the steam is severely than the air; inflammation with the tempering; the hermetic container causes flame in high temperature. Probably the explosion will be caused.
Process	1. Safeguards depart security. 2.Extinguish the fire with equipment and take away the dangerous product without burning.
Special Protection Equipment	Wearing the shelter of air breathing, gloves, fire-fighting clothes



Measures to Releasing Accident

Urgent Case : Cut off the fire source; Move the staff to the safe place immediately, isolate them and prevent them go anywhere freely; the working staff should wear safe mask; try to safe the releasing resource; avoid spreading to the sew or other limited systems
Little Quantity : Gather the leaked liquid into the sealed container; to suck the left liquid with sandy clay, active carbon, fragment cotton or other inert material.
Large Qty : Building a enclosed embankment or dig a hole to settle down; Cover with foam; degrade the vapor; to cool with the mist water or thin the vapor to make the people safe; to move into tank with anti-exploring pump or transfer into special container, or recycle or move to the factory where deal with the waste material.

Handling Safely & Storage

Handling : 1.Protection training for the staff; 2.Fire Fighting or Divulging System are necessary; Keep far away the fire resources or No Smoking; 3.Danger Mark; 4.Grounding Contact System; 5. Preventing the vapor Divulging into the air of working place; 6.Avoiding oxidizer; 7.Attention the seed when containing (<5meter/second) 8.Handle gently when carrying; 9. Poisonous substance possibly remained in the empty container.
Store : 1.Store in the cool, dry place with good ventilating; Keeping far away the fire resources or Avoiding high temperature; 2. Storing material should be anti-fire, keep container seal; 3. Prevent using the mechanical equipment or tools; 4. Equip the emergency equipment or container in the store.

Control / Personal Protection

Engineering Control : Enough ventilating or equipment is necessary at the working place

Control Parameter

TWA	STEL	CEILNG
100ppm	200ppm	300ppm

Personal Protection
Breath : Wear the anti-chemical goods mask in the area without good ventilating
Hands : Wear PE or other anti-chemical goods gloves ;
Eyes : Wear glasses which is safe to anti-chemical goods ;
Skin & Body : Use the PE or other safeguard equipment or safe cream which is anti-chemical goods ;
Hygiene :Keep personal hygiene, Doing more exercises to improve the immunity; Make the physical exam before work or regular physical checking

Physical & Chemical Character

Appearance	Thick liquid
Color	Different Colors
Odor	Fragrant
PH Value	
Solid/Melt Point	
Boiling Point/Range	215.2°C
Flash Point	25.6°C
Spontaneous Temperature	344°C
Exposure Limit	2.02%-7.9%
Vapor Pressure	0.852mmHg (20 °C)
Vapor Density	---

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Density	0.900-1.200.870g/cm ³
Solubility	10%
Hydrolysis Temperature	
Volatility Rate (Butyl Acetate=100):	

Safety & Reactiveness

Safety	Steady under normal temperature
Special Condition of Hazardous Reaction	None
Avoiding Conditions	Flame & heating object
Avoiding Object	Strongly oxidizing agent
Hazardous Decomposition Products	CO

Toxicological Information

Acute Toxicity	LD ₂₀₀₀ : 1.49g/kg Low toxin
Special Effect	Please consult for more detailed information.

Ecological Information

Possible influence to Environment	The waste will pollute the environment
Degradability of Biology	Easy Degradability. According to OECD Standard, it is regarded as Easy Degradability
Ecological Poison & Biology Gathering	It has low acute poison to the aquatic life.

Measure to Rejected Material

Method: Recycle or Burn the rejected material under the controlled condition. The empty barrel should be reclaimed by the qualified or permitted organization who can recycle or abolish. The rejected material cannot be dealt through burying in the earth, or throw into the public sewer, or rivers.

Transportation Information

International Rule	IATA/ICAO Classify : 3 (International Transportation Organization),
The United Nations Code	1210
Domestic Rule	JT 3130 Transportation Rule of Vehicle to Dangerous Goods
Packing Mark	3 Inflammable
Special Transportation Way & Notes	Transport in the morning or evening in the Summer to avoid the sunlight; Obey the certain routine

Regulation Information

Applicable Regulation	《Security Rules of Dangerous Chemical Goods》 2002.3.15
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Other Information

Reference :	
J. A. Monick,Alcohols,p.119, Van Nostrand Reinhold,1968	