

## Material Safety Data Sheet THAT'S IT? TOPCOAT Page 1 of 5

Revised Date: 8/15/2006 | Replaces Date: 11/04/2004

MSDS#: KIT032801-GKL

**Product Name:** GLASS KOTE MSDS Initial Approval Date: 3/28/2001

**Chemical Name:** LACQUER MSDS Prepared by: BSQ

**Family:** TOP COAT **Manufacturer:** KEYSTONE INDUSTRIES

616 Hollywood Ave, Cherry Hill, NJ 08002

**Product Use:** NAIL TOP COAT **Emergency Phone Numbers:** ( 800 ) 535 - 5053

**Product #:** 1000913 **Information Contacts:** (856)-663-4700

### Chemical Identity CAS

#### Numbers

**EINECS# INCI Name Exposure**

#### OSHA

#### Limits

#### ACGIH

#### Carcinogen %

TWA/STEL TWA/STEL IARC/NTP/OSHA

Isobutyl Acetate 110-19-0 203-745-1 Isobutyl Acetate 150 ppm 150 ppm Not Listed 40-50

Ethyl Acetate 141 - 78 - 6 205-500-4 Ethyl Acetate 400 ppm 400 ppm Not Listed 20-25

Hydroxy propyl cellulose 9004-64-2 N/E Hydroxypropylcellulose N/E N/E Not Listed 15-20

Isopropyl Alcohol 67-63-0 200-661-7 Isopropyl Alcohol 400 ppm 400 ppm Not Listed 5-10

Methyl Ethyl Ketone 78 - 93 - 3 201-159-0 MEK 200 ppm 200 ppm Not Listed 0-5

Dibutyl Phthalate 84-74-2 201-557-4 Dibutyl Phthalate 5 mg/m3 N/E Not Listed 0-5

Xylene 1330-20-7 215-535-7 Xylene 100 ppm 100 ppm 3/no/no 0-1

D&C Violet # 2 81-48-1 N/E CI60725 N/E N/E Not Listed 0-1

Benzophenone 119-61-9 204-337-6 Benzophenone N/E N/E Not Listed 0-1

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

**Hazard Symbols:** Xn, F **Risk Phrases:** R11, R20/22, R36/37/38 **Safety Phrases:** S7/9, S16, S24/25, S33, S37/39, S45

### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- May cause eye irritation.
- Flammable liquid and vapor
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mists.

#### Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin contact, eye contact

Eye Exposure causes eye irritation. Symptoms include stinging, tearing, redness and swelling.

Skin Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying, cracking, and skin burns.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing

large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation Vapor and mist are irritating to mucous membranes. Breathing small amounts during normal handling

is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects May cause headaches, nausea, vomiting and narcotic effect if over-exposed.

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NOTE: Refer to Section 11, Toxicological Information for Details

First Aid for Eye If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15

min. with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

First Aid for Skin Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

First Aid for Inhalation Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.

First Aid for Ingestion If individual is drowsy or unconscious, do not give anything by mouth; place individual on the leftside

with the head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

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**Flash Point(°F/°C) Flammable Limit(vol%) Auto-ignition Temperature(vol%)**

TAG Closed: 68°F/20°C 400 ppm 750°F- 900°F

### Method:

Extinguishing Media: Foam, dry chemical, cold water spray.

### Fire Fighting

#### Instructions:

Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Water spray may be used to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a safe distance and protected location.

Unusual Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic

products CO, carbon dioxide and oxides of nitrogen. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back.

Prevent buildup of vapors or gases to explosive concentrations.

### Spill or Release

#### Procedures

Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into

retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid

in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a

chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to

disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

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Handling Keep containers cool and dry. Keep away from heat, light and ignition sources. Avoid breathing high vapor

concentrations. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Wash skin thoroughly after handling.

Storage Store in a well ventilated area. Store @ 70 + 15 ° F, allow some air space above liquid level. Keep containers closed while not in use.

Explosion Hazard Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other 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.

## Engineering

### Controls

Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below

recommended exposure limits. Use explosion-proof ventilation equipment.

### Personal Protective Equipment

General To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a

hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product . Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Eye/ Face Protection Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations

also permit other type of safety glasses.

Skin Protection Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### Respiratory

#### Protection

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA repsirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

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### Appearance Odor & Odor Threshold nH Specific Gravity Viscosity % Volatile

Clear,viscous liquid fruity ester odor NA (H2O=1):0.98 300-400 cps W/W % : 99+

### Boiling Point/

### Decomposition

### Octanol/Water

### Vapor

### Vapor

### Evaporation

### Ignition

### Solubility

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## **Freezing Point**

## **Temperature Partitioning Coefficient**

Log Po/w

## **Pressure: Density Rate In Water**

(20°C)

170 ° F N/DA N/DA N/DA (Air=1):1 NA NA Insoluble

**Flash Point(°F/°C) Flammable Limit(vol%) Auto-ignition Temperature(vol%)**

TAG Closed: 68°F/20°C 400 ppm 750°F- 900°F

## **Stability: Incompatibility (Materials to Avoid):**

Stable Avoid oxidizing agents, acids & bases (heat)

## **Hazardous Decomposition Products: Hazardous Polymerization:**

Heated material produces NO<sub>2</sub> , CO<sub>2</sub> , CO May occur

## **Conditions to Avoid:**

Heat, flame, ignition sources.

## **Acute Oral Toxicity Acute Dermal Toxicity Acute Inhalation Toxicity Irritation - skin Irritation - Eye**

Oral LD50 (rat): 3.2-

6.4g/kg

Dermal LD50 (rabbit):

>20mL/kg

Inhalation LC50(rat):

3500-8000 ppm/4 hours

Rabbit: slight Rabbit: slight

Since this product contains a mixture of active components, the primary toxicological information is derived from the acetates.

Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

## **Sensitization Mutagenicity Sub-chronic Toxicity**

N/DA N/DA N/DA

## **Ecotoxicological Information**

### **Acute Toxicity**

#### **to Fish**

#### **Acute Toxicity**

#### **to Invertebrates**

#### **Acute Toxicity**

#### **to Algae**

### **Bioconcentration Toxicity to Sewage Bacteria**

N/DA N/DA N/DA N/DA N/DA

### **Chemical Fate Information**

#### **Biodegradability N/DA**

#### **Chemical Oxygen Demand N/DA**

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility.

Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ

from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU

Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national

or regional provisions may be in force.

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## DOT (49 CFR 172)

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, UN1993, PGII

Identification Number: UN1993

Marine Pollutant: No

Special Provisions: T8, T31

**Emergency Response Guidebook (ERG) #: 128**

## IATA (DGR):

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, UN1993, PGII

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Class or Division: 3

UN or ID Number: UN1993

Packaging Instructions:

**Emergency Response Guidance (ICAO)#: 3L**

## IMO (IMDG):

Proper Shipping Name: Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, UN1993, PGII

Class or Division: 3.2

UN or ID Number: UN1993

Special Provisions & Stowage/Segregation: None

**Emergency Schedule (EmS)#: 307**

**Other Information: Flash point = 20°C**

## US Federal Regulations

Clean Air Act: HAP/ODS This product contains the following hazardous air pollutant (HAP) , as defined by the U. S. Clean Air Act:

- Methyl Ethyl Ketone CAS# 78-93-3
- Xylene CAS# 1330-20-7
- Benzophenone CAS# 119-61-9
- Dibutyl phthalate CAS #84-74-2.

There are no ODS substances in this product.

Clean Water Act: HS/Priority Pollutant This product contains the following chemicals listed under the U. S Clean Water Act

Hazardous Substance List:

- Xylene CAS# 1330-20-7
- Isobutyl acetate CAS# 110-19-0
- Dibutyl phthalate is also listed as a priority pollutant as described by the CWA

The following chemicals are listed as primary pollutants: NONE

FDA: Food Packaging Status This product has not been cleared by the FDA for use in food packaging and /or other applications as an indirect food additive.

Occupational Safety and Health Act This product is considered to be hazardous under the OSHA Hazard Communication

Standard. Its hazard are:

- Immediate (acute) health hazard
- Fire hazard

RCRA This product contains the following chemicals considered to be hazardous waste under RCRA ( 40 CFR 261).

- Ethyl Acetate CAS# 141-78-6 RCRA Code: U112
- Methyl Ethyl Ketone CAS# 78-93-3 RCRA Code: U159
- Xylene CAS# 1330-20-7 RCRA Code: U239
- Dibutyl Phthalate CAS #84-74-2 RCRA Code: U069,

SARA Title III: Section 302 (RQ) This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.

SARA Title III: Section 302 (TPQ) This product contains chemicals regulated under Section 304 as extremely hazardous

chemicals for emergency release notification ("CERCLA" List ).

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- Ethyl Acetate , CAS #141-78-6, RQ (Lbs) : 5000
- Isobutyl Acetate , CAS #110-19-0, RQ (Lbs) : 5000
- Methyl Ethyl Ketone , CAS #78-93-3, RQ (Lbs) : 5000
- Xylene, CAS #1330-20-7, RQ (Lbs) : 100
- Dibutyl Phthalate CAS #84-74-2 RQ (Lbs) : 10

SARA Title III: Section 311-312: This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 ( 40 CFR 370). Its hazards are:

- Immediate (acute) health hazard
- Fire hazard

SARA Title III: Section 313: This product contains chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- Methyl Ethyl Ketone, CAS# 78-93-3
- Xylene CAS# 1330-20-7
- Dibutyl Phthalate CAS #84-74-2
- Isopropyl Alcohol CAS# 67-63-0

TSCA Section 8(b): Inventory:

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

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TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

### State Regulations

CA Right-to-Know Law: Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl

Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

MA Right-to-Know Law: Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl

Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

NJ Right-to-Know Law: Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl

Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

PA Right-to-Know Law: Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl

Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

FL Right-to-Know Law: Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl

Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

MN Right-to-Know Law: Benzophenone CAS #119-61-9, Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate

CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Dibutyl Phthalate CAS #84-74-2, Isopropyl Alcohol CAS #67-63-0

### International Regulations

CDSL: Canadian Inventory

(on Canadian Transitional List)

Ethyl Acetate CAS #141-78-6 on DSL. WHMIS = B2, D2B

Isobutyl Acetate CAS #110-19-0 on DSL. WHMIS = n/da

Methyl Ethyl Ketone CAS #78-93-3 on DSL. WHMIS = B2, D2A

Hydroxypropyl cellulose CAS #9004-64-2 on DSL. WHMIS = n/da

Benzophenone CAS #119-61-9 on DSL. WHMIS = n/da

Xylene CAS #1330-20-7 on DSL. WHMIS = n/da

Dibutyl Phthalate CAS 84-74-2 is on the DSL list. WHMIS = D2B

Isopropyl Alcohol CAS #67-63-0 is on the DSL List. WHMIS = n/da

EINECS: European Inventory: • HAZARD SYMBOLS: **Xn, F**: *Harmful, Highly Flammable*

• RISK PHRASES: **R11**, *highly flammable*, **R20/22**: *Harmful by inhalation and if*

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*swallowed, R36/37/38: Irritating to eyes, respiratory system and skin*

• SAFETY PHRASES: **S7/9:** *keep container tightly closed and in a well ventilated place, S16: keep away from sources of ignition- no smoking, S24/25: avoid contact with skin and eyes, S33: take precautionary measures against static discharges, S37/39: wear suitable gloves and eye/face protection, S45: In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible)*

## **Hazard Rating System (Pictograms)**

**NEPA: HMIS:**

**1 3 1**

Revised Sections since Last Version: Updated. 09/29/2004

Updated Section 1, 2, 6, 8, 13 & 16 format and content. 11/04/2004

Updated Sections 2 and 15. 08/15/2006

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**3**

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**Flammability**

**Reactivity Health**