Safety Data Sheets

Alkyd Medium

Product code: ME-PH0030
Departement: kama painting mediums & varnishes
C.A.S. : 64742-48-9, 9000-16-2, 80-56-8

Section: 1 Identification

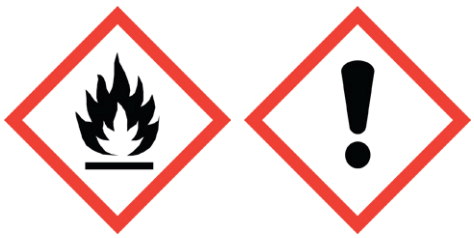
product:	Painting Medium
Application:	Modifier for artist oil painting
Emergency phone number:	(CANUTEC): (613) 996-6666

Section: 2 Hazard Identification

Potential Acute Health Effects:

Eye Contact:	May cause mild eye irritation. May cause mild discomfort.
Skin Contact:	May cause mild skin irritation. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.
Inhalation:	Excessive exposure may cause irritation of the eyes, upper respiratory tract (nose and throat) and lungs.
Ingestion:	Low toxicity. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

HGS Label Elements



Signal Word

Warning

GHS Classification

Flammable liquids-Cat.3
Acute toxicity -inhalation-Cat.4
Skin corrosion -irritation-Cat.2
Specific target organ toxicity - single exposure (Narcotic effects)-Cat.3 - Narcotic effect
Carcinogenicity 2

Hazard statements

H226 Flammable liquid and vapor
H227: Combustible liquid.
H302: Harmful if swallowed.
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H332 Harmful if inhaled
H320: Causes eye irritation.
H332: Nocif par inhalation
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness

Precautionary Statements

Use only outdoors or in a well ventilated area.
Store in a well-ventilated area. Keep the container tightly closed.
Wear protective clothing, eye protection and face protection.
IF ON SKIN: Take off immediately all contaminated clothing. Rinse the skin with water.
Call a POISON CENTER if you feel unwell.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P308 + P313: IF exposed or concerned: Get medical advice/ attention.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Section: 3 Composition / Information on Ingredients

Ingredients	Weight %	STEL	ACGIH TLV	OSHA PEL
Alkyd Resin Proprietary	52.34%	-		
Naphtha (petroleum),Hydrotreated Heavy 64742-48-9 mg/kg	38.64%	Dermal LD50 Rabbit > 3160 mg/kg Oral LD50 Rat > 5000		
Coniferous exudate CAS: 9000-16-2	5.68%			
A-Pinene (CAS# 80-56-8)	2.27%	150 ppm	100 ppm	100 ppm
Xylene 1330-20-7	0.4 - 0.6	-		
B-Pinene (CAS # 127-91-3)	0.2 - 0.3	150 ppm	100 ppm	100 ppm
Ethyl Benzene, 100-41-40	0.1 - 0.2	-		
Zirconium 2-Ethylhexanoate , 22464-99-9	0.03 - 0.06	Oral LD50 Rat 40000 mg/kg		
Cobalt 2-Ethylhexanoate, 136-52-7	0.01 - 0.03	Oral LD50 Rat 3900 mg/kg		

Section: 4 First Aid Measures

SKIN CONTACT	Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and wash before reuse. If irritation develops or persists, seek medical attention.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. If irritation develops or persists, seek medical attention.
INHALATION	If affected, move to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.
INGESTION	DO NOT induce vomiting. Rinse out mouth with water. Seek medical attention.
NOTES TO PHYSICIAN	No additional remark.

Section: 5 Fire Fighting Measures

SUITABLE AND UNSUITABLE EXTINGUISHING MEDIA	Foam, Carbon Dioxide, Water Fog. Do not use direct stream as it may scatter and spread fire.
HAZARDOUS COMBUSTION PRODUCTS	Carbon dioxide and carbon monoxide may form on combustion.
SPECIAL FIRE FIGHTING PROCEDURES	Evacuate all persons to a safe area. If possible shut off fuel to fire. Use a water spray to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse vapours. Move non-burning material, as feasible, to a safe location as soon as possible.Fire fighters should wear self-contained breathing apparatus and appropriate protective equipment.
UNUSUAL FIRE / EXPLOSION HAZARDS	Containers may rupture when exposed to extreme heat. Air oxidation may cause this product to spontaneously combust.

Section: 6 Accidental Release Measures

LEAKS AND SPILLS	Absorb with an inert material and place in a chemical waste container. Do not allow product to enter sewers or waterways. For larger spills, dike area and pump into waste containers. Wear protective clothing during cleanup.

Section: 7 Handling And Storage

HANDLING PROCEDURES	Avoid contact with eyes and skin. Avoid inhalation and ingestion. Use under well ventilated conditions. Wash skin thoroughly after handling and before eating or smoking. Use good industrial hygiene practices in handling this material.
STORAGE NEEDS	Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed. Keep from freezing (0ºC). Store in a cool, dry, well-ventilated area.

Section: 8 Exposure Control/Personal Protection

INGREDIENTS	ACGIH TLV TWA	STEL	OSHA PEL PEL	NIOSH STEL	REL
Ethyl Benzene	20 ppm TLV	AB 100 ppm Ontario	100 ppm TWA	Not Established	100 ppm BC 20 ppm
Xylene	100 ppm TLV	AB 150 ppm Ontario	100 ppm TWA	Not Established	100 ppm BC 100 ppm
Alkyd Resin	Not Indicated				
Naphtha (petroleum), Hydrotreated Heavy	Manufacturer Recommends: a TWA of 1200 mg/m³ (175ppm) based on total hydrocarbon.Local regulated limits may vary.		not available	not available	

APPROPRIATE ENGINEERING CONTROLS	Use adequate ventilation to remove molten resin vapours or fumes or dust.
PROTECTIVE EQUIPMENT	
EYE/TYPE	Safety glasses with sideshields, faceshield, and/or goggles to protect against airborne dust.Facilities should be equipped with an eyewash station and safety shower.
RESPIRATORY/TYPE	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Determine the appropriate type by consulting the respirator manufacturer.
GLOVES/ TYPE	Use chemical resistant, impervious gloves.
CLOTHING/TYPE	Protective clothing should be selected based on the task being performed and the risks involved.

Section: 9 Physical and Chemical Properties

PHYSICAL STATE	clear amber Liquid
ODOR	Aromatic
OLFACTORY THRESHOLD (ppm)	20 ppm - Xylene
pH	Not available
MELTING POINT AND FREEZING POINT (° C)	Not available
Flash point:	> 38 ° C / 100.4 ° F
Flash point method:	TAG closed cup
FLAMMABILITY (SOLIDS / GAS)	Class IIIB
UPPER FLAMMABILITY LIMIT (VOL%) Xylene	6.6
LOWER FLAMMABILITY LIMIT (% VOL) Xylene	1
UPPER FLAMMABILITY LIMIT (% VOL) CAS 64742-48-9	5.3
LOWER FLAMMABILITY LIMIT (% VOL) CAS 64742-48-9	0.7
Auto-ignition temperature:	246 ° C / 475 ° F
PERCENTAGE OF VOLATILE MATERIALS	<2
Solubility:	Negligible in water.

Section: 10 Stability And Reactivity

Chemical Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid excessive heat, open flames and all ignition sources.
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Material does not decompose at ambient temperatures.
Additional Information:	No additional remark.

Section: 11 Toxicological Information

INGREDIENTS	LC50	LD50
Benzene Ethyl	Rat inhalation 4 hours. LCLo 4,000 ppm	Oral Rat 3,500 mg / kg Skin Rabbits 17,000 mg / kg
Xylene	Inhalation human LCLo 6 hours 10,000 ppm. Rat inhalation 4 hours. 5,000 - 6,700 ppm	Rat oral 3,500 - 8,600 mg / kg Oral mouse 5,200 - 5,600 mg / kg Skin rabbit 4,300 mg / kg
Alkyd Resin	Not indicated	Not indicated
Alpha Pinene 80-56-8	Not determined	3700 mg/kg 2000 mg/kg
Beta Pinene 127-91-3	Not determined	3700 mg/kg 2000 mg/kg
Other terpenes	N/A	Not determined > 5000> 3000

OTHER DATA

COMPONENT	CAS	MUTAGENICITY	CARCINOGENICITY	REPRODUCTIVE TOXICITY	DEVELOPMENTAL TOXICITY – ORAL
Alpha Pinene	80-56-8	Negative	Not Determined	NOAEL: 250mg/kg bw/day	
Beta Pinene	127-91-3	Negative	Not Available	NOAEL: 250mg/kg bw/day	
Other Terpenes	N/A	Negative	Not Available	Not Available	

SKIN CONTACT	Causes skin irritation. Avoid contact with the skin.
EYE CONTACT	Causes eye irritation. Avoid contact with the eyes.
INHALATION	Avoid inhaling. May cause irritation of the nasal passages, throat and respiratory tract.
INGESTION	Do not ingest. May cause irritation.
SENSITIZATION	Non-sensitizing.
TOXICITY TO CERTAIN ORGAN (s)	Not classified.
UNIQUE TARGETS	
REPEATED EXPOSURE TOXICITY FOR CERTAIN TARGET ORGAN	Unclassified.

ASPIRATION TOXICITY	Unclassified.
CARCINOGENICITY	ACGIH-A3 - carcinogenic to animals. IARC - Group 2B (possibly carcinogenic to humans).
REPRODUCTIVE EFFECTS	Not available.
ESTIMATED ACUTE TOXICITY	ATEmix: oral 5567 mg / kg; dermal 2201 mg / kg; inhalation-vapor 14 mg / L.

Section: 12 Ecological Information

ECOTOXICITY DATA	Xylene 72 hr. Algae: EC50 Pseudokircheriella subcapitata 11 mg/L; 96 hr. Fish: LC50 Pimephales promelas 13.4 mg/L; 96 hr. LC50 Oncorhynchus mykiss 2.661-4.093 mg/L; 96 hr. LC50 Oncorhynchus mykiss 13.5-17.3 mg/L; 96 hr. LC50 Lepomis macrochirus 13.1-16.5 mg/L; 96 hr. LC50 Lepomis macrochirus 19 mg/L 96 hr. LC50 Lepomis macrochirus 7.711-9.591 mg/L; 96 hr. LC50 Pimephales promelas 23.53-29.97 mg/L; 96 hr. LC50 Cyprinus carpio 780 mg/L; 96 hr. LC50 Poecilia reticulata 30.26-40.75 mg/L; Water Flea: EC50 = 3.82 mg/L 48 hr. LC50 = 0.6 mg/L 48 hr. . Ethyl benzene - EC50 = 4.6 mg/L (Pseudokirchneriella subcapitata) (72h); EC50 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) (72h); EC50 = 11 mg/L (Pseudokirchneriella subcapitata) (72h); EC50 1.8 - 2.4 mg/L (Daphnia magna) (48h); LC50 11.0 - 18.0 mg/L (Oncorhynchus mykiss) (96 h)static; LC50 = 4.2 mg/L (Oncorhynchus mykiss) (96 h) semi-static; LC50 7.55 - 11 mg/L (Pimephales promelas) (96 h) flow-through; LC50 = 32 mg/L (Lepomis macrochirus) (96 h) static; LC50 9.1 - 15.6 mg/L (Pimephales promelas) (96 h) static; LC50 = 9.6 mg/L (Poecilia reticulata) (96 h) static.
BIOACCUMULATION	Not available.
PERSISTENCE AND DEGRADABILITY	Not available.

Section: 13 Disposal Considerations

WASTE DISPOSAL	Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.

Section: 14 Transport Information

TDG CLASSIFICATION	Not regulated under TDG (Canada).

Section: 15 Regulatory Information

CEPA STATUS	All the ingredients are on the DSL list.
HAZARDOUS PRODUCTS REGULATIONS	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and this document contains all the information required by the Hazardous Products Regulations.
U.S. TSCA INVENTORY STATUS	All components of this product are listed on the TSCA Chemical Substances Inventory or are exempt.

Section: 16 Other Information

Reference	Manufacturer's material safety data sheet
Prepared by	Kama pigments

Disclaimer:

Kama pigments, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information, refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Kama pigments Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Kama pigments makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Kama pigments' control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

KAMA PIGMENTS

Last revision: 2021-08-29