

MATERIAL SAFETY DATA SHEET

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SECTION # 1: PRODUCT IDENTIFICATION

Product Identifier: Kinstler Alkyd Oil Medium
Product Use: Oil Painting Medium
Whmis Classification: B-3
MSDS Preparation Date: 3 December 2018

SECTION 2: HAZARDS IDENTIFICATION

INGREDIENTS	%Wt/Wt	C.A.S.#	TLV	LD50 (g/KG)
Mineral Spirits (RAT)	39 - 41	64742-47-8	100 ppm	6 g/Kg

SECTION 3: PHYSICAL DATA

Physical State: Amber Liquid
Odour: Light
Odour Threshold: NAv.
Vapour Pressure(mmHg): NAv.
Vapour Density: Greater than air
Specific Gravity: 0.93 (Water = 1)
Boiling Point: 152 Deg. C
Solubility in Water: Insoluble

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Product Classification: Combustible, TDG Class 3.3
PIN: UN1263 PACKAGE GP: III
Flash Point: 43C
Flammable Limits (% vol. in air): LEL: NAv. UEL: NAv.
Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam,
Water Fog.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Additional Extinguishing Procedures: Cool containing vessels with water jet to prevent pressure build-up, autoignition or explosion. Firefighters or others exposed to

vapours

of combustion products should wear breathing apparatus.

self-contained

Explosion Risk: Highly explosive in presence of open flames and sparks.

SECTION 5: REACTIVITY DATA

Stability: Stable

Incompatibilities: Highly reactive with oxidizing agents. Keep product away from excessive heat, open flames and all ignition sources.

Hazardous Decomposition Products: Not available.

SECTION 6: HEALTH HAZARDS

Inhalation: Severe over-exposure can result in death. Can be fatal if inhaled.

Eye Contact: May cause irritation of eyes.

Skin Contact: Prolonged or repeated contact may result in skin irritation and dermatitis. Product is a skin sensitizer.

Ingestion: Severe over-exposure can result in death. Can be fatal if ingested.

Medical Conditions, Aggravations: Eye disease. Skin disorders and allergies. Preexisting respiratory disease including asthma and emphysema.

NOTE: Repeated exposure to highly toxic material may produce general health deterioration by an accumulation in one or many human organs.

SECTION 7: EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Wear a NIOSH or equivalent approved respirator. Use an atmosphere-supplying respirator or an air-purifying respirator for organic vapours.

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Engineering Controls: General- For all indoor situations, control fugitive emissions. Electrical and mechanical equipment should be explosion proof.

Local: Mechanical ventilation. Where this is ineffective in controlling airborne concentrations, wear proper respiratory protection. For personal entry into confined spaces (i.e. storage tanks) follow a proper confined space entry procedure.

Eye Protection: Chemical safety goggles. Eye Bath.

Skin Protection: Hands - Butyl Rubber Gloves are recommended.
Feet - Rubber Safety Boots.
Clothing - Wear impervious protective clothing and rubber apron. If using small quantities a lab coat is sufficient.
Safety Shower.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: Check for and remove contact lenses. DO NOT use eye ointment.
Seek medical attention immediately.

Skin Contact: If chemical got onto the clothed portion of the body, remove contaminated clothing as quickly as possible, protecting own hands and body. Place victim under a shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and a non-abrasive soap. Be particularly careful to wash folds, crevices and creases and groin. Cover the skin with an emollient. If irritation persists seek medical attention. Wash contaminated clothing before using.

In cases of hazardous skin contact, wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow victim to rest in a well ventilated area. Seek immediate medical attention.

In cases of hazardous inhalation, evacuate victim to a safe area as soon as possible. Loosen tight clothing. If breathing is difficult, administer oxygen. If the victim is not breathing perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when inhaled material is toxic or corrosive. Seek immediate medical attention.

SECTION 8: FIRST AID PROCEDURES

Inhalation(Con'd): Acute Toxicity of the vapour (LC50): 3500 ppm (Rat) based on four hour exposure.

Ingestion: Do not induce vomiting and guard against aspiration into lungs. Loosen tight clothing. If the victim is not breathing perform mouth-to-mouth resuscitation. Seek immediate medical attention and show the container or label.

Acute oral toxicity (LD50): > 5g/Kg (Rat).

SECTION 9: HANDLING AND STORAGE PRECAUTIONS

Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Ground all storage containers and handling equipment. Store in locked safety storage cabinet or room.

Precautions: Keep away from heat, sparks and open flame. Keep locked up. Empty containers pose a fire risk, evaporate residue in

a fume hood. DO NOT ingest or breathe gas/ fumes/ vapour/ spray.
Take precautionary measures against static discharges.

Spill/ Leak Procedure:

Small Spill: Contain small amounts with absorbent material (clay or sand) and remove to non-leaking containers for disposal.
Avoid direct contact with material and wear appropriate breathing apparatus and protective clothing (if applicable).

Large Spill: Combustible Material. Poisonous Liquid. Keep away from heat or ignition sources. Stop any leaks if without risk. DO NOT let water inside container or touch spilled material.
Use water spray to reduce vapours. Prevent entry of material into sewers, basements, confined areas; dike if needed. Call for disposal assistance. Use Splash goggles, full suit, Vapour respirator or preferably a self-contained breathing apparatus, Boots and gloves. Suggested protective clothing may not be sufficient; consult a specialist before handling product.

Disposal: Dispose in accordance with regulatory laws.

SECTION 10: OTHER INFORMATION

While the Jack Richeson and Company Limited has prepared this MSDS from a knowledge of the products' components and from supplier information, there is no warranty with respect to the accuracy of this data. We assume no legal responsibility. All data is offered for your consideration, investigation and verification.