

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME : C₂ PROSERIES INTERIOR ALKYD SEMI GLOSS

SUPPLIER:

THE COATINGS ALLIANCE
112 GENESSEE ST.
BUFFALO, NEW YORK 14203

INFORMATION: 888-989-4888
EMERGENCY: 888-989-4888
CANUTEC: 613-996-6666 (after hours)

PREPARATION DATE: Oct. 13, 1999

PREPARED BY: Regulatory Dept.

SUPERCEDES: June 14, 1999

REASON: additional product codes

PRODUCT CODES: A6470, A6475, A6480, A6485

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY

CAS NUMBER

%(WT)

Mineral spirits

64742-47-8

15-40

SECTION 3 - HAZARDS INFORMATION

SKIN CONTACT: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

SKIN ABSORPTION: Very low toxicity.

EYE CONTACT: Irritating but will not injure eye tissue.

INHALATION: High vapour concentrations are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness. May be anaesthetic and may cause other central nervous system effects.

INGESTION: May cause nausea, vomiting. Small amounts of petroleum solvents drawn into the lungs from swallowing or vomiting may cause severe health effects such as bronchopneumonia or pulmonary edema.

SECTION 4 - FIRST AID MEASURES

SKIN CONTACT: Remove with a non-abrasive hand cleaner designed for greasy substances and then wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if irritation persists.

INHALATION: Rescuers should wear respiratory protection. Remove immediately from contaminated area. Apply artificial respiration if breathing has stopped. Call a physician.

INGESTION: Do not induce vomiting. Keep at rest. Get prompt medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Combustible liquid; may form combustible mixture at or above the flash point.

EXTINGUISHING MEDIA: Foam, dry chemical or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, smoke.

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water to extinguish flames.

FLASH POINT (method): 41°C (TCC)

UPPER FLAMMABILITY LIMITS (UEL): 13 % by volume

LOWER FLAMMABILITY LIMITS (LEL): 1 % by volume

AUTO-IGNITION TEMPERATURE: 227°C

SENSITIVITY TO MECHANICAL IMPACT: none

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SECTION 5 - FIRE FIGHTING MEASURES (cont'd)

SENSITIVITY TO STATIC DISCHARGE: Yes, if vapour concentrations are within the explosive limits.

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SECTION 6 - HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Keep away from sparks or open flame. Avoid smoking while using this product. Store in a cool well ventilated area. When using, ensure good ventilation to keep the concentration of solvent vapours low. Avoid frequent or prolonged skin contact. Wear eye protection if the possibility of splashing exists.

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SECTION 7 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF A LEAK OR SPILL: Remove all sources of ignition. Prevent from entering sewers or water courses. Ventilate enclosed areas or wear respiratory protection. Scoop up as much liquid as possible and return to container. Soak up remainder with an absorbent non-combustible material and remove to a safe place.

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SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE LIMITS:	<u>CHEMICAL COMPONENT</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
	Mineral spirits	100 ppm	100 ppm

HAND PROTECTION: Impervious gloves and/or protective hand cream if repeated skin contact is likely.

EYE PROTECTION: Safety glasses or goggles.

RESPIRATORY PROTECTION: Combined dust and organic vapour canister when spraying or using in a poorly ventilated area.

BODY PROTECTION: No special clothing required.

FOOT PROTECTION: Safety shoes if handling pails.

VENTILATION CONTROLS: Good local ventilation, exhaust fans and/or open windows.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE (room temperature): liquid

ODOUR AND APPEARANCE: opaque, petroleum solvent odour

BOILING POINT - (centigrade): 150°C

FREEZING POINT - (centigrade): not applicable

PERCENT VOLATILE BY VOLUME: 45 - 50 %

SPECIFIC GRAVITY: 1.1 - 1.3

EVAPORATION RATE (n-butyl acetate = 1): 0.1

VAPOUR PRESSURE: 1.3 KPa

VAPOUR DENSITY (air = 1): 5

pH: not applicable

COEFFICIENT OF OIL/WATER DISTRIBUTION: not determined

SOLUBILITY IN WATER: insoluble

COATINGS VOC (less water): 353 - 364 gm/L

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SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Very high temperatures

INCOMPATIBLE SUBSTANCES: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Not applicable

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SECTION 10 - STABILITY AND REACTIVITY (cont'd)

HAZARDOUS POLYMERIZATION: Will not occur

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SECTION 11 - TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE: Over-exposure to high concentrations of vapours may have results ranging from headaches and dizziness to loss of consciousness.

EFFECTS OF CHRONIC EXPOSURE: Reports have associated repeated and/or prolonged occupational exposure to solvents with permanent brain and central nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapours may be harmful or fatal.

IRRITANCY: Causes eye irritation.

SENSITIZATION: Repeated or prolonged skin contact may cause dermatitis or allergic reactions.

CARCINOGENICITY: not listed by OSHA, NTP or IARC

REPRODUCTIVE TOXICITY: none

TERATOGENICITY: none

MUTAGENICITY: none

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: none known

LD50 (mg/kg): > 5000 mg/kg (mineral spirits)

LC50 (ppm): > 5000 mg/m³ (mineral spirits)

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXIC EFFECTS: No applicable data

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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Approved waste disposal firm, in accordance with local, state and federal regulations.

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SECTION 14 - TRANSPORT INFORMATION

SPECIAL SHIPPING REQUIREMENTS: None for ground transport.

DOT CLASSIFICATION: Class 3 Pk. Group III (air); Class 3.3 Pk. Group III (marine)

DOT SHIPPING NAME: Paint

UN NUMBER: 1263

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SECTION 15 - REGULATORY INFORMATION

TSCA (U.S.A.): All ingredients on TSCA inventory

OSHA HAZARD COMMUNICATION STANDARD (29CFR 1910.1200): This Material Safety Data Sheet has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous substance under that standard.

CEPA (CANADA): All ingredients on DSL (Domestic Substances List)

WHMIS CLASSIFICATION (CANADA): B3 (combustible liquid) D2B (toxic material)

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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SECTION 16 - OTHER INFORMATION

CHEMICAL NAME: Alkyd

CHEMICAL FAMILY: Hydrocarbons

FORMULA: Not applicable

HMIS RATING: Health: 2 Flammability: 2 Reactivity: 0

(Scale: 4 = extreme; 3 = high; 2 = moderate; 1 = slight; 0 = insignificant)

PRODUCT USE: Decorative and/or protective coatings for various substrates.

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DISCLAIMER: All information, recommendations and suggestions appearing herein concerning these products are based upon tests and data believed to be reliable. Therefore it is the user's responsibility to determine the safety and suitability for his or her own use of these products. Since the actual use or misuse is beyond the control of the manufacturer, no guarantee, expressed or implied, is made by the manufacturer as to the effects of such use, nor does the manufacturer assume any liability arising out of the use or misuse by others of this product.