

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALKYD WHITE BASE

FILE NO.: 100-002

MSDS DATE: 07/18/2012

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Colortech Alkyd Recycled Paint
SYNONYMS: Generic Alkyd Recycled Paint
PRODUCT CODES: 100-201

MANUFACTURER: Colortech Painting Systems Inc.
DIVISION: Colortech Paint
ADDRESS: 4632 Victoria Avenue, Unit 2, Niagara Falls, Ontario, L2E 4B7

EMERGENCY PHONE: 1-800-283-5212

PRODUCT USE: Architectural Surface Coating
PREPARED BY: D. Platakis

SECTION 1 NOTES: N/A

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>%</u>
Petroleum Distillates (Naphtha)	64742-89-8	10 - 25
Alkyd Resin	Not available	10 - 35
Limestone	1317-65-3	7 - 13
Kaolin	1332-58-7	1 - 5
Zinc Oxide	1314-13-2	0 - 1.5
Aromatic Solvents	Not available	0 - 1
Aliphatic Solvents	Not available	0 - 1
Quartz (SiO ₂) (<10 microns)	14808-60-7	0 - 1
2-Butanone Oxime	96-29-7	0 - 1
Neodecanoic Acid, Cobalt Salt	27253-31-2	0 - 1
Lead	7439-92-1	<0.1
Mercury	7439-97-6	<0.1

SECTION 2 NOTES: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING!
Combustible liquid and vapour. Causes respiratory tract irritation. May be harmful if inhaled or swallowed.
Sanding and grinding dusts may be harmful if inhaled. May cause eye irritation. Prolonged or repeated contact may dry skin and cause irritation. Contains material that can cause target organ damage. Cancer hazard - contains material which can cause cancer.

Keep away from heat, sparks and flame. Do not swallow. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to eyes.

SKIN: Moderately irritating to skin.

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002

MSDS DATE: 07/18/2012

INGESTION: May be harmful if swallowed.

INHALATION: May be harmful if inhaled. Irritating to respiratory system. Can irritate eyes, nose, mouth and throat.

OVER-EXPOSURE - SIGNS/SYMPTOMS:

Repeated exposure to high vapour concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. There is some evidence that repeated exposure to organic solvent vapours in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

SECTION 3 NOTES: This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS) and the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See toxicological information (Section 11)

SECTION 4: FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

INGESTION: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

INHALATION: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 4 NOTES: If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTRE, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) LOWER: 1%

FLASH POINT:

F: ~113°

C: ~45°

METHOD USED: Closed Cup

NFPA HAZARD CLASSIFICATION

HEALTH: 2

FLAMMABILITY: 2

INSTABILITY: 0

OTHER:

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002

MSDS DATE: 07/18/2012

HMIS HAZARD CLASSIFICATION

HEALTH: 2 * FLAMMABILITY: 2 PHYSICAL HAZARDS: 0
(* - Chronic Effects)

EXTINGUISHING MEDIA: Use dry chemical, CO₂, water spray (fog) or foam. Do NOT use water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Firefighters should wear appropriate equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon oxides, metal oxide/oxides

SECTION 5 NOTES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

LARGE SPILL:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Use spark-proof tools and explosion-proof equipment. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

SMALL SPILL:

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose via a licensed waste disposal container.

SECTION 6 NOTES: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING: Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite. To avoid risks of fires, all contaminated material should be placed in a metal container filled with water and sealed. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside. Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Ingestion of product or cured coating may be harmful. Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made

MATERIAL SAFETY DATA SHEET
COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002
MSDS DATE: 07/18/2012

from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. Vapours are heavier than air and may spread along floors. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

STORAGE: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been open must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store above the following temperature: 120°F / 49°C

SECTION 7 NOTES: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

VENTILATION : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

RESPIRATORY PROTECTION: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

EYE PROTECTION: Safety glasses with side shields.

SKIN PROTECTION: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: For prolonged or repeated handling, use the following type of gloves:

Recommended: Nitrile rubber

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EXPOSURE GUIDELINES:

Name	Result	ACGIH	OSHA	Ontario
Petroleum Distillates (Naphtha)	TWA	300ppm	100 ppm	100 ppm
	STEL	150 ppm	500 ppm/(10min)	150 ppm
Limestone	TWA	Not established	5 mg/m ³ R 15 mg/m ³ TD	Not established
	STEL	Not established	Not established	Not established
Kaolin	TWA	2 mg/m ³ R	5 mg/m ³ R 15 mg/m ³ TD	2 mg/m ³ R
	STEL		Not established	Not established
Zinc Oxide	TWA	2 mg/m ³ R	5 mg/m ³ F 5 mg/m ³ R 15 mg/m ³ TD	2 mg/m ³ R
	STEL	10 mg/m ³ R	Not established	10 mg/m ³ R
Aromatic Solvents (Xylene)	TWA	100 ppm	100 ppm	100 ppm
	STEL	150 ppm	Not established	150 ppm
Quartz (SiO ₂) (<10 microns)	TWA	0.025 mg/m ³ R	10 mg/m ³ R Z 30 mg/m ³ TD Z 250 mppcf R Z	0.1 mg/m ³ R

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002
MSDS DATE: 07/18/2012

2-Butanone Oxime	TWA	Not established	Not established	Not established
	STEL	Not established	Not established	Not established
Lead	TWA	0.05 mg/m ³	0.05 mg/m ³	0.05 mg/m ³
	STEL	Not established	Not established	Not established
Mercury	TWA	0.025 mg/m ³	0.025 mg/m ³	0.025 mg/m ³

SECTION 8 NOTES:

ACGIH = American Conference of Governmental Industrial Hygienists STEL = Short Term Exposure Limit Values

OSHA = Occupational Safety and Health Administration

TD = Total Dust

R = Respirable

TWA = Time Weighted Average

Z = OSHA 29CFR 1910.1200 Subpart Z – Toxic and Hazardous Substances

F = Fume

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White viscous opaque liquid

ODOR: Oil based paint

PHYSICAL STATE: Liquid

pH: N/Av

BOILING POINT:

F: >100°

C: >37.78°

MELTING POINT:

F: N/Av

C: N/Av

FREEZING POINT:

F: N/Av

C: N/Av

VAPOR PRESSURE (mm Hg): 0.29 kPa (2.2 mm Hg)

@ C: 20°

VAPOR DENSITY (AIR = 1): N/Av

SPECIFIC GRAVITY (H₂O = 1): 1.19

EVAPORATION RATE: 0.22 (butyl acetate = 1)

PERCENT SOLIDS BY WEIGHT: 71.66

PERCENT VOLATILE:

BY WT ~28% BY VOL ~42%

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: Stable under recommended storage and handling conditions (see Section 7).

CONDITIONS TO AVOID (STABILITY): Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Reactive or incompatible with the following materials: acids, oxidizing materials, strong alkalis

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002
MSDS DATE: 07/18/2012

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS POLYMERIZATION: Under normal conditions of storage and use, hazardous polymerization will not occur

SECTION 10 NOTES: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Product/Ingredient Name	Result	Species	Dose	Exposure
Kaolin	LD50 Oral	Rat	>5000 mg/kg	-
Petroleum Disstillates (Naphtha), Light Arom.	LD50 Oral	Rat	8400 mg/kg	-
	LD50 Dermal	Rabbit	3.48 g/kg	-
Aromatic Solvents (Xylene)	LD50 Oral	Rat	4.3 g/kg	-
	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LC50 Inhalation Vapour	Rat	5000 ppm	4 hours
Aromatic Solvents (1,2,4-Trimethylbenzene)	LD50 Oral	Rat	5 g/kg	-
	LC50 Inhalation	Rat	1800 mg/m ³	4 hours
2-Butanone Oxime	LD50 Oral	Rat	930 mg/kg	-
	LD50 Dermal	Rabbit	200 µL/kg	-
Aliphatic Solvents (2-(2-Methoxyethoxy)ethanol)	LD50 Oral	Rat	4 mL/kg	-
	LD50 Dermal	Rabbit	0.65 g/kg	-
	LD50 Oral	Rat	5 mg/kg	-
Lead	LC50 Inhalation	Rabbit	0.86 mg/m ³	6 weeks
Mercury				

CONCLUSION/SUMMARY: N/Av

CHRONIC TOXICITY:

CONCLUSION/SUMMARY: N/Av

DEFATTING IRRITANT: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis

TARGET ORGANS: Contains material which causes damage to the following organs: brain, central nervous system (CNS).
Contains material which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eye, lens or cornea, stomach, testes.

TERATOGENICITY: Contains material which may cause birth defects, based on animal data.

DEVELOPMENTAL EFFECTS: Contains material which may cause developmental abnormalities, based on animal data.

CARCINOGENICITY:

Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.

CLASSIFICATION:

Product/Ingredient Name	ACGIH	IARC	NTP	OSHA
Kaolin	A4	-	-	-
Zinc Oxide	A4	-	-	-
Quartz (SiO ₂) (<10 microns)	A2	1	Proven	-
Neodecanoic Acid, Cobalt Salt	-	2B	-	-
Lead	-	2B	-	-
Mercury	-	3	-	-

SECTION 11 NOTES:

Carcinogen Classification Code: ACGIH: A1, A2, A3, A4
IARC: 1, 2A, 2B, 3, 4
NTP: Proven, Possible

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002

MSDS DATE: 07/18/2012

OSHA: +

Not listed or regulated as a carcinogen: -

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No known significant effects or critical effects.

AQUATIC ECOTOXICITY:

Product/Ingredient Name	Result	Species	Exposure
Xylene	Acute LC50 3300 to 4093 µg/L Fresh Water	Fish - Rainbow trout, Donaldson trout - Ancorhynchus mykiss	96 hours
1,2,4-Trimethylbenzene	Acute LC50 7720 to 8280 µg/L Fresh Water	Fish - Flathead minnow - Pimephales promelas	96 hours
2-Butanone oxime	Acute LC50 843000 to 914000 µg/L Fresh Water	Fish - Flathead minnow - Pimephales promelas	96 hours
2-(2-Methoxyethoxy)ethanol	Acute LC50 7500000 µg/L Fresh Water	Fish - Bluegill - Lepomis macrochirus	96 hours

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 13 NOTES: Refer to Section 7: Handling and Storage and Section 8: Exposure Controls/Personal Protection for additional handling information and protection of employees. Section 6: Accidental Release Measures.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

ID NUMBER: UN1263

PACKING GROUP: III

LABEL STATEMENT: N/A

Reportable Quantity:

40469.9 lbs / 18373.3 Kg (4083.7 gal / 15458.5 L) Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

Remarks:

USA Only: Can be reclassified as Combustible Liquid. Non-Bulk highway shipments (Less than or Equal to 450 L) can be shipped as non-regulated.

WATER TRANSPORTATION

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

ID NUMBER: UN1263

PACKING GROUP: III

LABEL STATEMENTS: N/A

UN TRANSPORTATION

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

ID NUMBER: UN1263

PACKING GROUP: III

MATERIAL SAFETY DATA SHEET

COLORTECH RECYCLED ALYKYD WHITE BASE

FILE NO.: 100-002

MSDS DATE: 07/18/2012

LABEL STATEMENTS: N/A

SECTION 14 NOTES: Reportable Quantity (RQ): CERCLA: Hazardous Substances: 2-(2-methoxyethoxy)ethanol; Neodecanoic acid, cobalt salt; zinc oxide; xylene: 100 lbs (45.4 Kg)

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All components are listed or exempted.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Hazardous Substances: 2-(2-methoxyethoxy)ethanol; Neodecanoic acid, cobalt salt; zinc oxide; xylene: 100 lbs (45.4 Kg)

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found

SARA 302/304/311/312 hazardous chemicals: Stoddard solvent; Kaolin; Limestone; Zinc Oxide; Titanium Dioxide

STATE REGULATIONS: California - Warning: This product contains a chemical known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS: WHMIS(Canada): Class B-3 Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). Class D-2A: Material causing other toxic effects (Very toxic). Class D-2B: Material causing other toxic effects (Toxic).

SECTION 15 NOTES: N/A

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/A

PREPARATION INFORMATION: Dave Platakis (905) 938-9465

DISCLAIMER: The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by LOOP Paint, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect to the properties of the products. No liability can be accepted for any failure to observe precautionary measures described in this data sheet or for any misuse of the products.