



SECTION 1 – PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Manufacturer/Supplier: KATILAC COATINGS INC.
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Emergency Phone:.....CANUTEC (24H)...1-888-CANUTEC (226-8832 North American use)
.....1-613-996-6666 (International use)

Poison Control:..... 1-800-268-9017

Revision Date:..... January 20, 2017
Print Date:..... January 22, 2021
Version Number:..... 3

Product: R1705 STRONGBOND BRUSH GRADE CONTACT ADHESIVE
Product Use: ADHESIVE
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Kidney, liver, reproductive system, central nervous system, eyes, skin.

GHS Classification:

Flammable Liquids (Cat. 2)
Skin Irritation (Cat. 2)
Eye Irritation (Cat. 2)
Skin Sensitizer (Cat. 1)
Reproductive Toxicity (Cat. 2)
Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System
Specific Target Organ Toxicity - Repeated Exposure (Cat. 2) - Liver, kidney, nervous system
Aspiration Hazard (Cat. 1)

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GHS Label Elements, including precautionary statements:

Pictogram:



Signal Word:..... **Danger**

Hazard Statement(s):

H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H319: Causes serious eye irritation
H317: May cause an allergic skin reaction
H361: Suspected of damaging fertility or the unborn child
H336: May cause drowsiness or dizziness
H373: May cause damage to organs through prolonged or repeated exposure
H304: May be fatal if swallowed and enters airways

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment
P241: Use explosion-proof electrical/ventilating/lighting/equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge
P280: Wear protective gloves/protective clothing/eye protection/face protection
P272: Contaminated work clothing should not be allowed out of the workplace
P362+364: Take off contaminated clothing and wash it before reuse
P264: Wash skin thoroughly after handling
P260: Do not breathe dust/fume/gas/mist/vapours/spray
P202: Do not handle until all safety precautions have been read and understood
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P302+352: IF ON SKIN: Wash with soap and water
P333+313: If skin irritation or a rash occurs: Get medical advice/attention
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337+313: If eye irritation persists get medical advice/attention
P308+313: IF exposed or concerned: Get medical advice/attention
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P314: Get Medical advice/attention if you feel unwell
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331: Do NOT induce vomiting
P403+235: Store in a well ventilated place. Keep cool
P405: Store locked up
P370+378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide to extinguish
P501: Dispose of contents/container to comply with local, provincial, state, and federal regulations

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Acetone	67-64-1	15.00-40.00
Toluene	108-88-3	15.00-40.00
Hexane	110-54-3	10.00-30.00
2- butylphenol Formaldehyde	91673-30-2	1.00-5.00
Rosin	8050-09-7	0.10-1.00

Refer to Section 8 for Occupational Exposure Guidelines.

SECTION 4 – FIRST-AID MEASURES

Inhalation:

This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system). If breathing is stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Avoid mouth-to-mouth contact by using mouth guard or shields. Quickly transport victim to an emergency care facility.

Ingestion:

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink 60-240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

Eyes:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

Skin:

Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm gently flowing water and non-abrasive soap for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Note to Physician:

Treatment based on sound judgement of physician and individual reactions of patient.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Dry chemical; carbon dioxide; foam; water as a fog only if necessary.

Special Fire Fighting Procedures:

Use water spray to cool fire-exposed containers or structures.

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Unusual Fire and Explosion Hazards:

Vapours from this product are heavier than air and may travel to a source of ignition and flash back causing explosion and fire. Never use welding or cutting torch on, or near drum (even empty) as product (even residue) can ignite explosively. All containers, including pails, drums, tank cars & trucks should be grounded and/or bonded when material is transferred. When using this product it is important that the gas at main leading to the premises must be shut off. All other ignition sources must be completely eliminated. In reference to the Ontario Fire Code Section 4.1.5.9(1), states that this product shall not be stored, handled or used in basements or pits.

Hazardous Combustion Products:

Carbon monoxide and/or carbon dioxide. Hydrocarbons, hydrogen chloride, phenolic vapours, aldehydes, fumes and smoke.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Dike and contain spills. Do not let product enter drains.

Methods and Materials for Containment and Clean Up:

Contain and/or dike spills. Absorb with inert material, place in a suitable container. Report and dispose of according to local regulations.

SECTION 7 – HANDLING AND STORAGE

Storage:

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage and evaporation.

Handling:

Use in a well ventilated area. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof tools, equipment, and ventilation system. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge. Always ground and bond containers.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Threshold Limit Value:..... 20 ppm ACGIH est. (Toluene)

Engineering Controls:

Use local, mechanical, explosion proof exhaust and/or ventilation system to avoid exposure and vapour accumulation.

Personal Protective Equipment:

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate, use an approved respirator for the concentration and type of hazardous materials in the workplace. Use respirators and components tested and approved under the appropriate government standards. Use respirators as backup to engineering controls if necessary.

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Hand Protection:

Handle with gloves to minimize skin contact. Inspect gloves prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands thoroughly.

Eye Protection:

Safety glasses and/or face shield. Use equipment for eye protection tested and approved under the appropriate government standards.

Protective Clothing:

Impervious clothing, flame retardant, antistatic protective clothing. The type of protective equipment should be selected according to the concentration and amount of hazardous materials at each specific workplace.

Additional Measures:

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

Physical State: Liquid
Appearance/Odour: Natural with solvent odour
Odour Threshold: Not available
Viscosity: 900-1100 cps
Vapour Density (AIR=1): Heavier than air
Boiling Point: 56°C est. (Acetone)
Melting/Freezing Point: Not available
Vapour Pressure: Not available
Evaporation Rate: Faster than butyl acetate
Specific Gravity: 0.845 +/- 0.01
Solubility in Water: Not soluble
Solids: 22.0 +/- 0.1%
Coeff. Water/Oil Dist.: Not available
Flashpoint: <-20°C T.C.C. est.
Autoignition Temp: 234°C est. (Hexane)
Upper Flammable Limit: 13.00% est. (Acetone)
Lower Flammable Limit: 1.20% est. (Toluene)

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable, except under fire conditions.

Hazardous Decomposition Products:

Carbon dioxide, carbon monoxide and unidentified organic compounds. Hydrogen chloride, organic acids, aldehydes, formaldehyde, phenolic derivatives and vapours and hydrocarbons.

Materials to Avoid:

Strong oxidizing agents. Strong acids and bases, reducing agents, phosphorous oxychloride, magnesium, hydrogen fluoride, aluminum, zinc chloride, amines, halogens, alkalis.

Hazardous Reactions:

No data.

Conditions to Avoid:

Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Acetone	5800 mg/kg	3000 ppm	4
Toluene	>5580 mg/kg	12500-28800 mg/m3	4
Hexane	28700 mg/kg	48000 ppm	4
2- butylphenol Formaldehyde	not available	not available	-
Rosin	7600 mg/kg	not available	-

Skin corrosion/irritation:

Rabbit - skin irritation - 24 hour

Serious eye damage/irritation:

Rabbit - eye irritation - 24 hour

Respiratory or skin sensitization:

Classified as a skin sensitizer.

Germ cell mutagenicity:

Not expected to be mutagenic in humans.

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Excessive exposure during pregnancy may be hazardous to the developing fetus. Experiments have shown reproductive toxicity effects in male and female lab animals.

Teratogenicity:

May cause teratogenic/embryotoxic effects at high doses.

Specific target organ toxicity (single exposure):

May cause central nervous system depression.

Specific target organ toxicity (repeated exposure):

May cause liver and/or kidney effects. May cause nervous system effects.

Aspiration hazard:

Classified as an aspiration hazard.

Potential Health Effects:

Inhalation:

Vapours are moderately irritating to the respiratory passages; prolonged exposure to high vapour concentration may cause headache, dizziness, nausea, blurred vision and central nervous system depression.

Ingestion:

May cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, dizziness, fatigue, and central nervous system depression. Liquid aspirated into the lungs can cause chemical pneumonitis.

Skin:

Prolonged or repeated contact can cause irritation, defatting, dermatitis.

Eyes:

Irritant on contact. Symptoms include stinging, tearing, redness, and swelling of eyes.

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Signs and Symptoms of Exposure:

Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

Synergistic effects:

Not available.

Additional information:

May cause drowsiness and dizziness. May cause irritation to skin. May be irritating to eyes. May cause lung damage if swallowed. Possibility of organ damage from prolonged exposure.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Fate and Distribution:

Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.

Aquaticity:

LC50 (Oncorhynchus Mykiss) 7.63 mg/L, 96H est. (Toluene)

LC50 (Pimephales Promelas) 2.5 mg/L, 96H est. (Hexane)

Persistence and degradability:

No data.

Bioaccumulative potential:

No data.

Mobility in soil:

No data.

Other adverse effects:

May be toxic to aquatic life with potentially long lasting effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:

Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of in accordance with all applicable regulations.

Contaminated Packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow any label warnings even after container is emptied.

SECTION 14 – TRANSPORTATION INFORMATION

TDG Classification (Ground Only):CLASS 3 UN1133 II

Proper Shipping Name (Ground Only):ADHESIVES

A scientific determination was concluded based on formulation ingredients on January 20, 2017 to define the Transportation of Dangerous Goods Classifications.

SECTION 15 - REGULATIONS

This material is included on the DLS (Canadian Domestic Substance List) under the CEPA (Canadian Environmental Protection Act).

This material has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

This material meets TSCA (Toxic Substances Control Act) inventory requirements.

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

SECTION 16 – OTHER INFORMATION

LEGEND TO ABBREVIATIONS:

CAS: CHEMICAL ABSTRACT SERVICES
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
LC: LETHAL CONCENTRATION
LD: LETHAL DOSE
TDG: TRANSPORTATION OF DANGEROUS GOODS
TLV: THRESHOLD LIMIT VALUE
VOC: VOLATILE ORGANIC COMPOUND

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