KATILAC COATINGS INC.

Where quality is ingrained

SECTION 1 – IDENTIFICATION

Product: ..... R1798 STRONGBOND SPRAY GRADE CONTACT ADHESIVE
Product Use: ..... ADHESIVE
……..FOR INDUSTRIAL USE ONLY

Manufacturer/Supplier: ..... KATILAC COATINGS INC.
391 HANLAN ROAD, UNIT #1, WOODBRIDGE, ONTARIO L4L 3T1
Phone:..... 905-856-6464 (Monday-Friday 8:00-4:00)
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SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification:
Flammable Liquids (Cat. 2)
Skin Irritation (Cat. 2)
Eye Irritation (Cat. 2)
Skin Sensitizer (Cat. 1)
Reproductive Toxicity (Cat. 1B)
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)

GHS Label Elements:

Pictogram:

Signal Word:..... Danger

Target Organs:
Kidney, liver, reproductive system, central nervous system, eyes, skin.

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
H360: May damage 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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, lighting and equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P280: Wear protective gloves, protective clothing, eye protection.
P272: Contaminated work clothing should not be allowed out of the workplace.
P362+P364: Take off contaminated clothing and wash it before reuse.
P264: Wash skin thoroughly after handling.
P260: Do not breathe dust, fumes, mist, vapours or spray.
P271: Use only outdoors or in a well-ventilated area.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or a rash occurs: Get medical attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical attention.
P308+P313: IF exposed or concerned: Get medical attention.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor if you feel unwell.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER.
P331: Do NOT induce vomiting.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P370+P378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide to extinguish.
P501: Dispose of contents and container to comply with local, provincial, state, and federal regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	% wt/wt
Acetone	67-64-1	10.00-30.00
Toluene	108-88-3	10.00-30.00
Hexane	110-54-3	5.00-30.00
Napthta (Petroleum), Hydrotreated Light	64742-49-0	10.00-30.00
Rosin	8050-09-7	0.10-1.00
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.10-1.00
Xylene	1330-20-7	0.10-1.00
Para-tertiary-butyphenol	98-54-4	0.10-1.00
Para-cresol	106-44-5	0.10-1.00

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 decominate clothing, shoes and leather goods before reuse or discard.

Most Important Symptoms and Effects:
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.

Indication of Immediate Medical Attention and Special Treatment:
Treatment based on sound judgement of physician and individual reactions of patient.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:
Foam, water fog, dry chemical, carbon dioxide. Do not use water jet.

Specific Hazards Arising from the Product:
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. Hydrogen chloride, aldehydes.

Special Fire Fighting Procedures:
Use water spray to cool fire-exposed containers or structures. Keep upwind of fire. Wear self-contained breathing apparatus and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Use personal protective equipment recommended in Section 8. 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.

Methods and Materials for Containment and Clean Up:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Contain and dike spills. Absorb with inert material, place in a suitable container. Report and dispose of according to local regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe 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.

Conditions for Safe 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. Avoid extreme temperatures.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Threshold Limit Value:
20 ppm ACGIH est. (Toluene)
50 ppm ACGIH est. (Hexane)
750 ppm STEL est. (Acetone)

Engineering Controls:
Use local, mechanical, explosion proof exhaust and/or ventilation system to avoid exposure and vapour accumulation. Maintain exposure limits below the recommended thresholds.

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.

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 with side shields 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. Do not eat, smoke or drink where material is handled, processed or stored.

SECTION 9 – PHYSICAL / CHEMICAL PROPERITES

Physical State: ..... Liquid
Colour/Odour: ..... Natural with solvent odour
Melting/Freezing Point: ..... Not available
Boiling Point: ..... 56°C est. (Acetone)
Flammability:..... Not available
Upper Flammable Limit:..... 13.00% est. (Acetone)
Lower Flammable Limit: ..... 1.20% est. (Toluene)
Flashpoint: ..... -20.00°C T.C.C. est. (Hexane)
Autoignition Temp:..... >200°C est. (Hexane)
Decomposition Temp:..... Not applicable based on normal workplace conditions
pH:..... Not available
Viscosity (kinematic):..... 250-300 cps
Solubility in Water: ..... Not soluble
Partition Coefficient: ..... n-octanol/water (logarithmic value) Not available
Vapour Pressure:..... Not available
Density:..... 0.8172
Vapour Density (AIR=1): ..... Heavier than air
Particle Characteristics: ..... Not applicable
Evaporation Rate: ..... Faster than butyl acetate
Solids:..... 17.5 +/- 0.5%

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:
No data.

Chemical Stability:
Stable, except under fire conditions.

Possibility of Hazardous Reactions:
No hazardous reactions expected under normal handling conditions.

Conditions to Avoid:
Heat, flames and sparks, static / static discharge.

Incompatible Materials:
Strong oxidizing agents. Strong acids and bases, reducing agents, alkalies, phosphorous oxychloride. Avoid natural, butyl, neoprene rubbers, nitrile rubber & pvc.

Hazardous Decomposition Products:
Occurrence of decomposition products depend on temperature, air supply and presence of other materials. Carbon monoxide and/or carbon dioxide. Hydrogen chloride, aldehydes, formaldehyde, phenolic vapours and hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Acetone	5800 mg/kg	76 mg/L	4
Toluene	>5580 mg/kg	28.1 mg/L	4
Hexane	28700 mg/kg	40000 ppm	4
Napthta (Petroleum), Hydrotreated Light	>5000 mg/kg	>20 mg/L	4
Rosin	7600 mg/kg	not available	-
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	>10000 mg/kg	not available	-
Xylene	3523 mg/kg	5000 ppm	4
Para-tertiary-butyphenol	2000 mg/kg	5.6 mg/L	4
Para-cresol	207 mg/kg	not available	-

Likely Routes of Exposure:
Skin: Can be absorbed. Irritation, redness, burning sensation, drying, and cracking.
Eyes: Irritation. Stinging, tearing, redness, and swelling.
Inhalation: Can cause central nervous system depression.
Ingestion: Harmful, may enter lungs.

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:
Excessive inhalation of vapours can cause nasal and respiratory irritation and central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

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:
Irritating. May cause tearing, reddening and/or swelling.

Signs and Symptoms of Exposure:
Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

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

Ecotoxicity:
LC50 (Pimephales Promelas) 5.89-7.81 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.Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.

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 November 21, 2024 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

Revision Date:..... November 21, 2024
Print Date:..... November 22, 2024
Version Number:..... 3

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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