



SECTION 1 – IDENTIFICATION

Product: T4409 LACQUER REDUCER
Product Use: INDUSTRIAL THINNER
..... FOR INDUSTRIAL USE ONLY

Manufacturer/Supplier: KATILAC COATINGS INC.
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SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids (Cat. 2)
Acute Toxicity Oral (Cat. 4)
Skin Irritation (Cat. 2)
Serious Eye Damage (Cat. 1)
Reproductive Toxicity (Cat. 2)
Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System, Respiratory Irritation
Specific Target Organ Toxicity - Repeated Exposure (Cat. 2)
Aspiration Hazard (Cat. 1)

GHS Label Elements:

Pictogram:



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

Target Organs:

Central nervous system, respiratory system, reproductive system, eyes, skin.

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Hazard Statement(s):

H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H361: Suspected of damaging fertility or the unborn child.
H336: May cause drowsiness or dizziness.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.
H304: May be fatal if swallowed and enters airways.

Precautionary Statement(s):

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
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.
P264: Wash skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P260: Do not breathe dust, fumes, mist, vapours or spray.
P271: Use only outdoors or in a well-ventilated area.
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.
P332+P313: If skin irritation occurs: Get medical attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER.
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or physician.
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.
P308+P313: IF exposed or concerned: Get medical attention.
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
Isobutyl Acetate	110-19-0	30.00-60.00
Toluol	108-88-3	10.00-30.00
Butanol	71-36-3	30.00-60.00

SECTION 4 – FIRST-AID MEASURES

Inhalation:

This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). 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). Quickly transport victim to an emergency care facility.

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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 at least 30 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. Do not interrupt flushing. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to a emergency care facility.

Skin:

As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Immediately flush with lukewarm, gently flowing water for 15-20 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Most Important Symptoms and Effects:

May cause central nervous system (CNS) depression. CNS depression is characterized by headache, dizziness, nausea, vomiting and incoordination.

Indication of Immediate Medical Attention and Special Treatment:

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

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

Carbon dioxide, alcohol-resistant foam, water fog, dry chemical. Do not use water jet.

Specific Hazards Arising from the Product:

Vapours and/or fumes 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.

Hazardous Combustion Products:

Carbon monoxide and/or carbon dioxide.

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:

150 ppm ACGIH est. (Isobutyl Acetate)

20 ppm ACGIH est. (Toluene)

50 ppm ACGIH est. (Butanol)

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 PROPERTIES

Physical State: Liquid

Colour/Odour: Clear, colourless with solvent odour

Melting/Freezing Point: -89°C est. (Butanol)

Boiling Point: 111°C est. (Toluene)

Flammability: Not available

Upper Flammable Limit: 11.2% est. (Butanol)

Lower Flammable Limit: 1.1% est. (Toluene)

Flashpoint: 4-5°C T.C.C. est. (Toluene)

Autoignition Temp: 343°C est. (Butanol)

Decomposition Temp: Not applicable based on normal workplace conditions

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pH: Not available
Solubility in Water: Slight
Partition Coefficient: n-octanol/water (logarithmic value) Not available
Vapour Pressure: Not available
Density: 0.85
Vapour Density (AIR=1): Heavier than air
Particle Characteristics: Not applicable
Evaporation Rate: Not available

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 acids, bases, reducers and oxidizers. Halogens, halogenated compounds and alkali metals.
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.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Isobutyl Acetate	13413 mg/kg	18.05 mg/L	4
Toluol	>5580 mg/kg	28.1 mg/L	4
Butanol	790 mg/kg	17.8 mg/L	4

Likely Routes of Exposure:

Skin: Can be absorbed. Irritation, redness, burning sensation, drying, and cracking.

Eyes: Irritating to eyes. Stinging, tearing, redness, and swelling.

Inhalation: Vapours are irritating to respiratory tract. Can cause central nervous system depression.

Ingestion: Harmful, may enter lungs.

Skin corrosion/irritation:

Rabbit - skin irritation - 24 hour

Serious eye damage/irritation:

A component of this product tested: Rabbit - blindness - OECD test guideline 405

Respiratory or skin sensitization:

Not classified as a sensitization hazard.

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.

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Teratogenicity:

Components in this product show developmental toxicity - rat/oral effects on embryo or fetus, fetotoxicity (except death eg. stunted fetus)

Specific target organ toxicity (single exposure):

May cause central nervous system depression. May cause respiratory system irritation.

Specific target organ toxicity (repeated exposure):

May affect central nervous system with repeated exposure. Some studies also indicate possible impact to vision and the auditory system.

Aspiration hazard:

Classified as an aspiration hazard.

Potential Health Effects:

Inhalation:

Excessive inhalation of vapours can cause nasal and respiratory irritation. Prolonged exposure to high vapour concentration can lead to central nervous system depression. Signs of this include headache, nausea, dizziness, blurred vision and incoordination.

Ingestion:

Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Liquid aspirated into the lungs can cause lung inflammation and lung injury.

Skin:

Prolonged and repeated contact can cause defatting and drying of the skin resulting in irritation and dermatitis.

Eyes:

Can cause severe irritation. Possible corneal injury, redness, tearing, burning sensation and pain. May cause lachrymation (excessive tears) and conjunctivitis.

Signs and Symptoms of Exposure:

Adverse exposure risks are minimized and no health effects are anticipated when facility operations adhere to established regulatory parameters and all engineering and safety controls are fully implemented. Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

Additional Information:

May cause central nervous system (CNS) depression. CNS depression is characterized by headache, dizziness, nausea, vomiting and incoordination.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

LC50 (Oryzias Latipes) 16.6 mg/L, 96H, OECD Test Guideline 203, est. (Isobutyl Acetate)

LC50 (Oncorhynchus Mykiss) 5.5 mg/L, 96H, flow-through, est. (Toluene)

LC50 (Pimephales Promelas) 1376 mg/L, 96H, OECD Test Guideline 203, est. (Butanol)

Persistence and Degradability:

All components are expected to be readily biodegradable.

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.

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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 UN1263 II

Proper Shipping Name (Ground Only):PAINT RELATED MATERIAL

A scientific determination was concluded based on formulation ingredients on July 14, 2026 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:..... July 14, 2026

Print Date:..... July 14, 2026

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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