



SECTION 1 – PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Manufacturer/Supplier: KATILAC COATINGS INC.
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.....1-613-996-6666 (International use)
Poison Control:..... 1-800-268-9017

Revision Date:..... March 4, 2020
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Version Number:..... 2

Product: T4421 ORACLE NGR STAIN BASE
Product Use: INDUSTRIAL SOLVENT
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Central nervous system, eyes, skin, reproductive system, optic nerve, liver, kidney.

GHS Classification:

Flammable Liquids (Cat. 2)

Skin Irritation (Cat. 2)

Eye Irritation (Cat. 2)

Reproductive Toxicity (Cat. 2)

Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System, Respiratory Irritation

Specific Target Organ Toxicity- Single Exposure (Cat. 2) - Ingestion may damage optic nerve

Specific Target Organ Toxicity - Repeated Exposure (Cat. 2) - Liver, kidney

Aspiration Hazard (Cat. 1)

Safety Data Sheet - T4421 ORACLE NGR STAIN BASE

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

H361: Suspected of damaging fertility or the unborn child

H336: May cause drowsiness or dizziness

H335: May cause respiratory irritation

H371: May cause damage to organs - ingestion may damage optic nerve

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

P264: Wash skin thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P362+364: Take off contaminated clothing and wash it before reuse

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P271: Use only in a well-ventilated area

P270: Do not eat, drink or smoke when using this product

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

P332+313: If skin irritation 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+311: IF exposed or concerned: Call a POISON CENTER/doctor

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331: Do NOT induce vomiting

P312: Call a POISON CENTER or doctor/physician if you feel unwell

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 | % |
|-----------------------------------|------------|-------------|
| Ethanol | 64-17-5 | 10.00-30.00 |
| Methanol | 67-56-1 | 1.00-5.00 |
| Toluene | 108-88-3 | 45.00-70.00 |
| Pentanedioic Acid, Dimethyl Ester | 1119-40-0 | 1.00-5.00 |
| Dimethyl Succinate | 106-65-0 | 1.00-5.00 |
| Isobutyl Acetate | 110-19-0 | 7.00-13.00 |

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). 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.

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:

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.

Note to Physician:

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

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Foam, water fog, dry chemical, carbon dioxide.

Special Fire Fighting Procedures:

Use water spray to cool fire-exposed containers or structures. Do not use water except as a fog. Product will float and can be reignited on surface of water.

Safety Data Sheet - T4421 ORACLE NGR STAIN BASE

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. Avoid static discharge conditions. 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.

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.

Safety Data Sheet - T4421 ORACLE NGR STAIN BASE

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: Clear with solvent odour

Odour Threshold: Not available

Viscosity: 10-11 seconds @ 25°C

Vapour Density (AIR=1): Heavier than air

Boiling Point: 74-79°C est. (Ethanol)

Melting/Freezing Point: Not available

Vapour Pressure: Not available

Evaporation Rate: Not available

Specific Gravity: 0.8555 @ 25°C

Solubility in Water: Not available

Coeff. Water/Oil Dist.: Not available

Flashpoint: 4.4°C T.C.C. est. (Toluene)

Autoignition Temp: 370-385°C est.

Upper Flammable Limit: 36.5% est. (Methanol)

Lower Flammable Limit: 0.9% est. (Pentanedioic Acid, Dimethyl Ester)

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable.

Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide.

Materials to Avoid:

Strong oxidizing agents, ammonia, strong acids and bases, alkalis. Natural, butyl, neoprene rubbers, nitrile rubber & pvc.

Hazardous Reactions:

No data.

Conditions to Avoid:

Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

| HAZARDOUS INGREDIENT | LD50 | LC50 | HRS |
|-----------------------------------|-------------|------------|-----|
| Ethanol | 7060 mg/kg | 31623 ppm | 4 |
| Methanol | 5628 mg/kg | 64000 ppm | 4 |
| Toluene | >5580 mg/kg | 28.8 mg/L | 4 |
| Pentanedioic Acid, Dimethyl Ester | >5000 mg/kg | >11 mg/L | 4 |
| Dimethyl Succinate | >5000 mg/kg | >5.9 mg/L | 4 |
| Isobutyl Acetate | 13413 mg/kg | 18.05 mg/L | 4 |

Skin corrosion/irritation:

Rabbit - skin irritation - 24 hour

Serious eye damage/irritation:

Classified as an eye irritant.

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. May cause fetotoxic effects at doses which are not maternally toxic.

Teratogenicity:

Suspected human reproductive toxicant. Damage to fetus possible. May cause effects in doses which are not maternally toxic.

Specific target organ toxicity (single exposure):

May cause central nervous system depression. May cause respiratory system irritation. Ingestion may cause damage to the optic nerve.

Specific target organ toxicity (repeated exposure):

May cause liver and/or kidney effects.

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:

Causes irritation, burning sensation of the mouth, throat, and respiratory tract and abdominal pain. May cause liver damage, kidney damage, central nervous system (cns) depression, headache, dizziness, diarrhea, nausea, and vomiting. Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness.

Safety Data Sheet - T4421 ORACLE NGR STAIN BASE

Skin:

Prolonged or repeated contact may dry the skin and cause defatting and dermatitis. Symptoms may include redness, burning sensation, drying and cracking of skin.

Eyes:

Irritating, may cause a burning sensation, redness, swelling, and/or blurred vision.

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 central nervous system (CNS) depression. CNS depression is characterized by headache, dizziness, nausea, vomiting and incoordination. Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness.

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.

Aquatic toxicity:

LC50 (Lepomis Macrochirus) 30.9 mg/L, 96H est. (Pentanedioic Acid, Dimethyl Ester)

LC50 (Pimephales Promelas) 5.89-7.81 mg/L, 96H est. (Toluene)

Persistence and degradability:

No data.

Bioaccumulative potential:

No data.

Mobility in soil:

No data.

Other adverse effects:

May be toxic to aquatic life.

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.

Safety Data Sheet - T4421 ORACLE NGR STAIN BASE

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 March 4, 2020 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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