

Safety Data Sheet - T8099 DURADEK ADHESIVE THINNER (XYLOL)

Signal Word:..... Danger

Hazard Statement(s):

- H226: Flammable liquid and vapour
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H351: Suspected of causing cancer
- H361: Suspected of damaging fertility or the unborn child
- H336: May cause drowsiness or dizziness
- H335: May cause respiratory irritation
- 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
- P264: Wash skin thoroughly after handling
- 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
- P362+364: Take off contaminated clothing and wash it before reuse
- 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
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- P271: Use only in a well-ventilated area
- P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312: Call a POISON CENTER or doctor/physician 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	%
Xylene	1330-20-7	65.00-85.00
Ethyl Benzene	100-41-4	10.00-30.00

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). 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:

Quickly and gently blot or brush chemical off the face. 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 spray, dry chemical, carbon dioxide.

Special Fire Fighting Procedures:

Use water spray to cool fire-exposed containers or structures. Do not use water in a jet.

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.

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.

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Environmental Precautions:

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

Methods and Materials for Containment and Clean Up:

Contain and/or dyke 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. (Ethyl Benzene)

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.

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.

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Germ cell mutagenicity:

Not expected to be mutagenic in humans.

Carcinogenicity:

IARC has classified Xylene as not classifiable as to its carcinogenicity to humans, Group 3.

IARC has classified Ethyl Benzene as a possible human carcinogen, Group 2B.

Reproductive toxicity:

Excessive exposure during pregnancy may be hazardous to the developing fetus. May cause fetotoxic effects (e.g. reduced fetal weight, delayed ossification, behavioural effects) at doses which are not maternally toxic, based on animal studies.

Teratogenicity:

High exposures to xylene in some animal studies, often at levels toxic to the mother, but not in all cases, affected embryo/fetal development. The significance of this finding to humans is not known.

Specific target organ toxicity (single exposure):

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

Specific target organ toxicity (repeated exposure):

Not classified as a repeat exposure hazard.

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. Chronic overexposure/solvent abusers show signs of hearing loss as well as damage to the brain, liver and kidneys.

Ingestion:

Causes irritation, a burning sensation of the mouth and throat and abdominal pain. Can cause central nervous system (CNS) effects, including dizziness, vomiting and nausea. Liquid aspirated into the lungs can cause chemical pneumonitis.

Skin:

Irritant; prolonged and repeated contact can cause defatting and drying of the skin resulting in irritation and dermatitis.

Eyes:

May cause eye irritation. May cause tearing, burning sensation, redness, swelling, and/or blurred vision. Vapours are irritating to the eye.

Signs and Symptoms of Exposure:

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

Synergistic effects:

Exposure to other solvents, (benzene, toluene and ethanol) slows the rate of clearance of xylenes from the body, thus enhancing its toxic effects. The toxicity of ethyl benzene can probably be increased by exposure to alcohols or other chemicals which inhibit its break down in the liver. Xylene reacts with n-Hexane to enhance hearing loss.

Additional information:

Blood platelet count may be reduced upon exposure to xylene which is reversible when exposure is stopped.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Fate and Distribution:

Can be dangerous if allowed to enter drinking water intakes. Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.

Aquaticity:

LC50 (Oncorhynchus Mykiss) 4.2 mg/L 96 hours, est. (Ethyl Benzene)

LC50 (Oncorhynchus Mykiss) 8.2 mg/L 96 hours, est. (Xylene)

Persistence and degradability:

Readily biodegradable.

Bioaccumulative potential:

Partition coefficient n-octanol/water (log/Kow):

3.12-3.20 est. (Xylene)

3.15 est. (Ethyl Benzene)

Bioconcentration factor (BCF):

0.6-15 est. (Xylene)

15 est. (Ethyl Benzene)

Mobility in soil:

No data.

Other adverse effects:

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 UN1307 III

Proper Shipping Name (Ground Only):XYLENES

A scientific determination was concluded based on formulation ingredients on July 24, 2018 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 MSDS 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
TWA: TIME WEIGHTED AVERAGE
VOC: VOLATILE ORGANIC COMPOUND

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