

Lorchem SAFETY DATA SHEET

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: AQUALACK 450
Product Name: AQUALACK 450
Revision Date: Jan 22, 2022 **Date Printed:** Oct 29, 2022
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Lorchem International
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Product/Recommended Uses:

SECTION 2) HAZARDS IDENTIFICATION

Classification

Not classified

Pictograms

None

Signal Word

No signal word available.

Hazardous Statements - Health

Hazardous Statements - Physical

Hazardous Statements - Environmental

Precautionary Statements - General

No precautionary statement available.

Precautionary Statements - Prevention

No precautionary statement available.

Precautionary Statements - Response

IF IN EYES: Get medical advice/attention.

No precautionary statement available.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

No precautionary statement available.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0034590-94-8	DIPROPYLENE GLYCOL MONOMETHYL ETHER	3% - 6%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Eliminate all ignition sources if safe to do so. If exposed/If you feel unwell/If concerned: Call a POISON CENTER/doctor.

Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER/doctor and follow their advice.

Skin Contact

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes or until medical aid is available. If skin irritation occurs: Get medical advice/attention. Cover the irritated skin with an emollient. Store contaminated clothing under water and wash before re-use or discard.

Ingestion

Rinse mouth. IF exposed or concerned: Get medical advice/attention. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, lie on your side, in the recovery position. Never give anything by mouth to an unconscious or convulsing person. Loosen tight clothing such as a collar, tie, belt or waistband. Call a POISON CENTER/doctor if you feel unwell.

Most Important Symptoms/Effects, Acute and Delayed

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Small Fire: Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Large Fire: Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

Containers may explode in fire. Fire will produce irritating gases. Runoff to sewer may create fire or explosion hazard. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flashback. Vapors will spread along ground and collect in low or confined areas (sewers, basements, tanks). When heated to decomposition it emits acrid smoke and fumes.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters. Large Fire: Dike fire-control water for later disposal; do not scatter the material.

Special Protective Actions

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Evacuate and isolate hazard area and keep unauthorized personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Stay uphill and/or upstream. Ventilate closed spaces before entering. Do not touch or walk through spilled material.

Recommended Equipment

Wear liquid tight chemical protective clothing in combination with positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

DO NOT breathe gas, fumes, vapor or spray.

DO NOT get on skin, eyes or clothing.

Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Dike far ahead of liquid spill for later disposal. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning up

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material. Ventilate area after clean-up is complete. Contaminated absorbent material may pose the same physical hazards as the product.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Do not get in eyes, on skin or on clothing.

All containers must be properly labelled.

Ventilation Requirements

The use of local ventilation is recommended to control emissions near the source. Use only with adequate ventilation to control air contaminants to their exposure limits. Report ventilation failures immediately.

Storage Room Requirements

Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Protect containers against banging or other physical damage when storing, transferring, or using them. Empty container(s) can retain residue and may be dangerous. Bond and ground metal containers/cylinders when transferring. Never use plastic or glass containers for storing flammable liquids. DO NOT pressurize, cut, heat, or weld containers.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear indirect-vent, impact and splash resistant goggles when working with liquids.

Skin Protection

Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Use of an apron and overboots of chemically impervious materials such as neoprene, nitrile rubber or is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to CSA Z94.4-93 or ANSI should be followed. Check with respiratory protective equipment suppliers. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances with air-purifying respirators may not provide adequate protection.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)
DIPROPYLENE GLYCOL MONOMETHYL ETHER	1		100	600			100	

Chemical Name	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)
DIPROPYLENE GLYCOL MONOMETHYL ETHER	150			Eye & URT irr; CNS impair	Skin	1	100	600

Chemical Name	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH_Carcinogen_Threshold - Threshold for NIOSH Carcinogens	NIOSH Carcinogen	OSHA
DIPROPYLENE GLYCOL MONOMETHYL ETHER	150	900			1

(C) - Ceiling limit, CNS - Central nervous system, impair - Impairment, irr - Irritation, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

VOC Actual(g/l)	53.13 g/l
VOC Actual(lb/gal)	0.44 lb/gal
VOC Regulatory(g/l)	53.13 g/l
VOC Regulatory(lb/gal)	0.44 lb/gal
Density	8.68 lb/gal
% Solids By Weight	37.00%
Specific Gravity	1.04

Appearance	N/A
Odor Threshold	N/A
Odor Description	N/A
pH	N/A
Water Solubility	N/A
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	94 °C
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	N/A

Low Boiling Point	N/A
High Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Evaporation Rate	N/A
Coefficient Water/Oil	N/A

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Avoid heat, sparks, flame and contact with incompatible materials.

Hazardous Polymerization/Reactions

Will not occur.

Incompatible Materials

Reactive with oxidizing agents, organic materials, alkalis. Slightly reactive to reducing agents, metals, acids.

Hazardous Decomposition Products

When heated to decomposition it emits acrid smoke and fumes.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Route of Exposure

Absorbed through skin, dermal contact, eye contact, inhalation, ingestion

Skin Corrosion/Irritation

Causes skin irritation

Carcinogenicity

Suspected of causing cancer.

Respiratory/Skin Sensitization

Material is irritating to mucous membranes and upper respiratory tract.

Reproductive Toxicity

May cause harm to breast-fed children

Suspected of damaging fertility or the unborn child

Specific Target Organ Toxicity - Single Exposure

Causes damage to organs.

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The vapour may be irritating to the respiratory tract. The substance may cause effects on the central nervous system. This may result in narcosis.

Acute Toxicity

May be harmful in contact with skin

0034590-94-8 DIPROPYLENE GLYCOL MONOMETHYL ETHER

Exposure can cause headache, dizziness, lightheadedness, and passing out.

Specific Target Organ Toxicity - Repeated Exposure

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The substance defats the skin, which may cause dryness or cracking. Repeated exposure to very high levels may affect the liver.

Serious Eye Damage/Irritation

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The vapour may be irritating to the eyes.

Likely Routes of Exposure

0034590-94-8 DIPROPYLENE GLYCOL MONOMETHYL ETHER

The substance can be absorbed into the body by inhalation of its vapour, through the skin and by ingestion.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Persistence and Degradability

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Readily biodegradeable in water.

Bio-accumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0034590-94-8 DIPROPYLENE GLYCOL MONOMETHYL ETHER

The substance is not PBT/vPvB.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

SECTION 14) TRANSPORT INFORMATION

	TDG Information	IMDG Information	IATA Information
UN number:	Not Regulated	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A	N/A
Hazard class:	Not Applicable		
Hazard class:		Not Applicable	Not Applicable
Packaging group:	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ):	No Data Available	No Data Available	No Data Available
Marine Pollutant:	No Data Available	No Data Available	
Note / Special Provision:	Note / Special Provision	Note / Special Provision	Note / Special Provision
Toxic-Inhalation Hazard:	No Data Available	No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

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SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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