

Maxsol (Supersol)

Product Identification	
Chemical name	Maxsol HF
Chemical Formula	0
Composition	contains: Alcohols, C9-11, Ethoxylated (68439-46-3), Sodium dioctyl sulfosuccinate (577-11-7); Light petroleum distillate (64742-88-7)
WHMIS (Canada)	0
Personal Protection	Full protective flameproof clothing. Gloves. Protective goggles: Hand protection: Gloves; Eye protection: Chemical goggles; Skin and body protection: Wear fire/flame resistant/retardant clothing; Respiratory protection: Insufficient ventilation: wear respiratory protection.
Protective Equipment	0
Storage	Technical measures : Material may accumulate static discharge. Ground equipment before transferring if the product temperature is above its flash point. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment. Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, Keep container tightly closed. Incompatible products : Strong oxidizing agents. Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.

First Aid Measures	
Eye Contact	Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. Rinse cautiously with water for several minutes.
Skin Contact	Wash immediately with lots of water. Remove clothing while washing. Wash skin with plenty of water. Consult a doctor/medical service.
Serious Skin Contact	0
Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor
Serious Inhalation	0
Ingestion	Do not induce vomiting. Call a physician immediately
Serious Ingestion	0

Hazards Identification	
Potential Acute Health Effects	Inhalation: May cause irritation of the respiratory tract; Skin contact: Causes skin irritation; Eye contact: Causes serious eye irritation; Ingestion: May be fatal if swallowed and enters airways
Potential Chronic Health Effects	Causes damage to organs through prolonged or repeated exposure

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Fire and Explosion Data

Flammability	Combustible liquid. At temperatures greater than the flashpoint, flammable vapours are released, which if exposed to an ignition source can cause a fire. May form flammable/explosive vapour-air mixture. Ignition of a flammable vapour in an enclosed space may cause an explosion.	
Auto-Ignition Temperature	61 °C (Tag Closed Cup)	
Flash Points		0
Flammable Limits		0
Products of Combustion		0
Fire Hazards in Presence of Various Substances		0
Explosion Hazards in Presence of Various Substances		0
Fire Fighting Media and Instructions	Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.	
Special Remarks on Fire Hazards		0
Special Remarks on Explosion Hazards		0

Accidental Release Measures

Small Spill	General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking
Large Spill	Containment : Contain released product, pump into suitable containers. Pick up smaller spills and clean large spill residuals with an absorbent material. Dispose in accordance with local environmental regulations. Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters. Other information : Dispose of materials or solid residues at an authorized site.

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Handling and Storage

Precautions	<p>Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of apour. No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Keep away from heat, hot surfaces, parks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe mist, spray, vapours. Avoid contact with skin and eyes. Ground/bond container and receiving equipment. Flammable vapours may accumulate in the container. Technical measures : Comply with applicable regulations. Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash with soap and water thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Separate working clothes from town clothes. Launder separately. Always wash hands after handling the product. Additional hazards when processed : Handle empty containers with care as residual vapours are flammable at or above the flashpoint.</p>
Storage	<p>Technical measures : Material may accumulate static discharge. Ground equipment before transferring if the product temperature is above its flash point. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment. Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, Keep container tightly closed. Incompatible products : Strong oxidizing agents. Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.</p>

Exposure Controls and Personal Protection

Engineering Controls	<p>Ensure good ventilation of the work station; Environmental exposure controls : Avoid release to the environment.</p>
Personal Protection	<p>Full protective flameproof clothing. Gloves. Protective goggles: Hand protection: Gloves; Eye protection: Chemical goggles; Skin and body protection: Wear fire/flame resistant/retardant clothing; Respiratory protection: Insufficient ventilation: wear respiratory protection.</p>
Personal Protection in Case of a Large Spill	0
Exposure Limits	<p>Alcohols, C9-11, Ethoxylated (68439-46-3): ACGIH Not applicable, OSHA Not applicable; Sodium dioctyl sulfosuccinate (577-11-7): ACGIH Not applicable, OSHA Not applicable; Light petroleum distillate (64742-88-7): ACGIH ACGIH TWA (mg/m³) 200 mg/m³; ACGIH Remark (ACGIH) Skin; A3 - Kerosene (64742-81-0) Confirmed Animal; Carcinogen with Unknown Relevance to Humans. OSHA Not applicable</p>

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Physical and Chemical Properties	
Physical state and appearance	Liquid, Clear, Colourless to light amber
Odor	Mild hydrocarbon
Taste	0
Molecular Weight	0
Color	Clear, Colourless to light amber
pH	NA
Boiling Point	NA
Melting Point	< -35 °C
Critical Temperature	Auto-ignition temperature : ≈ 316 °C; Decomposition temperature : No data available
Specific Gravity	0.8 kg/l
Vapor Pressure	NA
Vapor Density	Relative vapour density at 20 °C : > 1
Volatility	0
Odor Threshold	NA
Water/Oil Dist. Coeff.	0
Ionicity (in Water)	0
Dispersion Properties	0
Solubility	Insoluble in water

Stability and Reactivity Data	
Stability	Reactivity : No data available. Chemical stability : May form flammable/explosive vapour-air mixture mixture at or above the flashpoint. Stable under normal conditions of storage and use. Possibility of hazardous reactions : No additional information available. Conditions to avoid : Open flame. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition. Hazardous decomposition products : Thermal decomposition generates : Oxides of carbon.
Instability Temperature	0
Conditions of Instability	Conditions to avoid : Open flame. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks.
Incompatibility with various substances	NA
Corrosivity	0
Special Remarks on Reactivity	0
Special Remarks on Corrosivity	0
Polymerization	0

Maxsol (Supersol)	
Toxicological Information	
Routes of Entry	Acute toxicity (oral) : Not classified; Acute toxicity (dermal) : Not classified; Acute toxicity (inhalation) : Not classified
Toxicity to Animals	LD50 oral rat 1378 mg/kg (Rat); LD50 dermal rabbit > 2000 mg/kg (Rabbit)
Chronic Effects on Humans	Skin corrosion/irritation : Causes skin irritation. Serious eye damage/irritation : Causes serious eye irritation. Respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure. Aspiration hazard : May be fatal if swallowed and enters airways.
Other Toxic Effects on Humans	0
Special Remarks on Toxicity to Animals	0
Special Remarks on Chronic Effects on Humans	0
Special Remarks on other Toxic Effects on Humans	0

Ecological Information	
Ecotoxicity	0
BOD5 and COD	0
Products of Biodegradation	Persistence and degradability Readily biodegradable in water.
Toxicity of the Products of Biodegradation	Bioaccumulative potential Not bioaccumulative.
Special Remarks on the Products of Biodegradation	Effect on global warming : Not available. Effect on the ozone layer : Not applicable. Other information : Avoid release to the environment.

Disposal Considerations	
Waste Disposal	Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Transport Information	
DOT Classification	0
Identification	0
Special Provisions for Transport	In accordance with TDG (Transportation of Dangerous Goods); Not regulated for transport

Other Regulatory Information	
Federal and State Regulations	0
Other Regulations	0
WHMIS (Canada)	0
DSCL (EEC)	0
HMIS (U.S.A.)	0
National Fire Protection Association (U.S.A.)	0
Protective Equipment	0

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Other Information	
References	0
Other Special Considerations	<p>Hazard statements (GHS-CA) : H227 - Combustible liquid; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H372 - Causes damage to organs through prolonged or repeated exposure; Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking; P260 - Do not breathe spray, mist, vapours; P264 - Wash hands, forearms and face thoroughly after handling; P270 - Do not eat, drink or smoke when using this product; P280 - Wear eye protection, face protection, protective clothing, protective gloves; P370+P378 - In case of fire: Use carbon dioxide (CO₂), extinguishing powder, foam, Water spray or fog. to extinguish; P403 - Store in a well-ventilated place; P501 - Dispose of contents/container to an approved waste disposal plant;</p>
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