

**Material Name: Masterchem Ultra PAG ISO100**  
**(Includes 8oz, 12oz, Quart & 55 gal. Drum Containers)**

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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<b>Trade Name</b>	Masterchem Ultra PAG46
<b>Manufacturer/Supplier</b>	Santech Industries, Inc
<b>Address</b>	2450 Handley Ederville Rd. Ft. Worth, TX 76118 USA
<b>Phone Number</b>	1-817-589-1212
<b>Fax Number</b>	1-817-589-5900
<b>Emergency Phone Number</b>	1-800-424-9300 (Chemtrec)

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## 2. COMPOSITION/INFORMATION ON THE COMPONENTS

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<b>Product Trivial Name</b>	Polypropylene glycol, methyl ether, tetrahydrofurfuryl ether
<b>Product Chemical Family</b>	Polyalkylene glycol

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## 3. HAZARD IDENTIFICATION

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<b>Main Hazards</b>	Harmful if swallowed.
<b>Health Effects - Eyes</b>	Liquid or mist may cause conjunctival irritation.
<b>Health Effects - Skin</b>	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.
<b>Health Effects - Ingestion</b>	Swallowing may have the following effects:- irritation of mouth, throat and digestive tract. nausea. vomiting. diarrhoea.
<b>Health Effects - Inhalation</b>	Low volatility makes acute effects unlikely at ambient temperatures. Exposure to mist may have the following effects:- lung damage.

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## 4. FIRST AID MEASURES

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<b>First Aid - Eyes</b>	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention.
<b>First Aid - Skin</b>	Wash skin thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use.
<b>First Aid - Ingestion</b>	Wash out mouth with water. (Never administer anything by mouth if a casualty is losing consciousness, is unconscious or is convulsing). Do not induce vomiting. Obtain medical attention.
<b>First Aid - Inhalation</b>	Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.
<b>Advice to Physicians</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.
<b>Special Hazards of Product</b>	This product may give rise to hazardous fumes in a fire.
<b>Protective Equipment for Fire-Fighting</b>	Wear self contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Wear appropriate protective clothing.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
<b>Spillages</b>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Keep container tightly closed when not in use. Use in well ventilated area. Exposure to mist and vapour from heated product should be minimised by the provision of efficient local ventilation or extraction systems. Avoid contact with eyes, skin and clothing.
<b>Storage</b>	Storage area should be: cool. dry. well ventilated. Suitable storage materials are:- rust-free mild steel. stainless steel. high density polyethylene.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Occupational Exposure Standards</b>	UK EH40 - OES/MEL: None assigned. ACGIH - TLV/STEL: None assigned. FRG - MAK/TRK: None assigned. WGD - MAC-TGG : None assigned. SWE - NGV: None assigned.
<b>Engineering Control Measures</b>	Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.
<b>Respiratory Protection</b>	Respiratory protection if there is risk of breathing mists or vapours from heated material. Respiratory protection if there is risk of uncontrolled exposure to aerosols.
<b>Hand Protection</b>	PVC or rubber gloves.
<b>Eye Protection</b>	Chemical goggles if there is a risk of splashing.
<b>Body Protection</b>	overall or apron.
<b>Protection During Application</b>	During application, adequate ventilation must be provided.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid.
<b>Colour</b>	Clear. Colourless.
<b>Boiling Range/Point (°C)</b>	Decomposes before boiling.
<b>Flash Point (PMCC) (°C)</b>	> 200 (Open-cup method)
<b>Solubility in Water (kg/m3)</b>	Insoluble.
<b>Viscosity (cSt)</b>	100 at 40 °C. (typical)

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions.
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**10. STABILITY AND REACTIVITY**

<b>Materials to Avoid</b>	Oxidising agents. Strong mineral acids.
<b>Hazardous Decomposition Products</b>	Combustion will generate: oxides of carbon. small amounts of aldehydes, ketones and alcohols. hydrogen chloride.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity</b>	Harmful by ingestion.
<b>Irritancy - Eyes</b>	Data for a closely related material suggest that this product is unlikely to cause irritation of the eye.
<b>Irritancy - Skin</b>	Data available for a related material suggests that this product is unlikely to be irritating to the skin.
<b>Sub-acute/Subchronic Toxicity</b>	Repeated exposure to aerosols may result in lung damage.

**12. ECOLOGICAL INFORMATION**

<b>Mobility</b>	The product is insoluble in water.
<b>Persistence/Degradability</b>	The product is resistant to biodegradation.
<b>Bio-accumulation</b>	No data.
<b>Ecotoxicity</b>	No data.

**13. DISPOSAL**

<b>Product Disposal</b>	Dispose of in accordance with all applicable local and national regulations. Incineration is the recommended method of disposal.
<b>Container Disposal</b>	Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

**14. TRANSPORT INFORMATION**

<b>UN Number</b>	Not classified.
<b>ADR/RID - Class</b>	Not classified.
<b>IMDG - Class</b>	Not classified.
<b>IATA - Class</b>	Not classified.

**15. REGULATORY INFORMATION**

**Labelling Information**



Harmful

Not classified - Safety

**R phrases**

Harmful if swallowed.

**S phrases**

Avoid contact with skin and eyes.

**EINECS Listing**

Manufactured using EINECS listed monomers only.