

## MATERIAL SAFETY DATA SHEET

<b>Manufacturer:</b> Metatron Mfg.Co <b>Address:</b> Río Rhin No. 56, Col. Cuauhtémoc, 06500, Del. Cuauhtémoc, México D.F.		<b>Emergency Response Number:</b> <b>Telephone:</b> (52) 55-30 93 99 40 <b>E-mail:</b> info@metatron.com.mx				
<b>SECTION 1 – PRODUCT INFORMATION</b>						
<b>Chemical Family:</b> Citrus based liquid cleaner		<b>Trade Name:</b> Metatron 800 Citrol				
<b>Formula:</b> Proprietary Mixture						
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits			
			TVL		PEL	
			ppm	Mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
D-limonene	5989-27-5	35-45	NE		NE	
Diethanolamine	111-42-2	1-3	3	13	NE	
Poly (oxy-1-2-ethanediyl-nonylphenyl)-omega-hydroxy	9016459	3-5	NE		NE	
2-Butoxyethanol	111-76-2	10-15	25	121	50	240
<b>Section 3 – PHYSICAL DATA</b>						
<b>Boiling Point:</b>	207°F/97°C	<b>Specific Gravity:</b>	.9366			
<b>Vapor Pressure @20°C (TORR) (mm, Hg):</b>	17.5	<b>% Volatile:</b>	84-85			
<b>Vapor Density (Air = 1):</b>	Not Determined	<b>Evaporation Rate: (=1)</b>	Not Determined			
<b>Solubility in Water:</b>	Emulsifiable	<b>pH:</b>	9			
<b>Appearance and Odor:</b> clear light yellow, citrus odor.						
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>						
<b>Flash Point (Method) °F/°C:</b> 145°F/62.78°C C.O.C. 128°F/53.33°C PMCC		<b>Flammability Limits UEL &amp; LEL ----:</b> Not Determined				
<b>Extinguishing Media:</b> Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.						
<b>Special Fire Fighting Procedures:</b> Treat as a class B fire. Avoid breathing fumes. Do not enter any enclosed or confined space without protective equipment including self contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Vapors can be denser than air and travel back to ignition source causing flashback to occur.						
<b>SECTION 5 - REACTIVITY HAZARD DATA</b>						
<b>STABILITY</b>	<input checked="" type="checkbox"/> STABLE	<input type="checkbox"/> UNSTABLE	<b>Hazardous Decomposition</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
<b>Conditions to Avoid:</b> High heat, sparks and open flames						
<b>Incompatibility (Mat. to avoid):</b> Strong oxidizing agents.						
<b>Hazardous Decomposition Products:</b> Carbon monoxide, aldehydes and ketones						
<b>Conditions to Avoid:</b> None						
<b>SECTION 6 - HEALTH HAZARD DATA</b>						
<b>Threshold Limit Value and Sources:</b> None established.						
<b>Acute Effects of Overexposure:</b>						
<b>Ingestion:</b>	Harmful if ingested. This product is corrosive to the mouth and esophagus if swallowed.					
<b>Eye Contact:</b>	At high concentrations when heated vapors are irritating to eyes, liquid contact produces severe irritation and possible eye burns.					
<b>Skin Contact:</b>	Slightly irritating with possible redness, edema or dryness to skin.					
<b>Inhalation:</b>	Inhalation of vapors of mists may cause dizziness, drowsiness and irritation to the mucous membranes.					
<b>CHRONIC EFFECTS OF OVEREXPOSURE:</b> None currently known						
<b>Emergency and First Aid Procedures:</b>						
<b>Swallowing:</b>	Do not induce vomiting. Drink milk or water to dilute. Seek medical attention immediately.					
<b>Skin:</b>	Remove contaminated clothing. Wash skin with copious amounts of soap and water. Launder contaminated clothing.					
<b>Inhalation:</b>	Remove victim to fresh air. If breathing is labored administer oxygen.					
<b>Eyes:</b>	Flush eyes with clear, cool, clean water for 30 minutes. Seek medical attention immediately					
<b>SECTION 7 – SPILL OR LEAK PROCEDURES</b>						
<b>Environmental Impact:</b> This product is biodegradable, as such it does not pose any undue environmental hazards. This product is not hazardous waste if it is discarded in the purchased form.						
<b>Procedures To Be Taken If Material Is Released or Spilled:</b> Absorb spills with absorbent material. Ventilate confined spaces. Large spills should be diked when pumped into a tank or drums for disposal. After material has been removed, flush contaminated area with large amounts of water.						
<b>Waste Disposal Method:</b> Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. For spent product, allow oils and oily waste to separate, skim off top layer and discharge bottom layer in accordance with EPA regulations. Product in its neat form would be considered an RCRA hazardous waste due to its flammability D001.						
<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>						
<b>Respiratory Protection:</b>	None required under ordinary conditions of use.					
<b>Ventilation:</b>	No special requirement under ordinary conditions of use and with adequate ventilation.					
<b>Eye Protection:</b>	Goggles of face shield.					
<b>Protective Clothing:</b>	Use apron & boots as required. Solvent resistant neoprene or rubber gloves.					

**SECTION 9 – SPECIAL PRECAUTIONS**

**Precautions To Be Taken In Handling and Storage:** Do not store near heat, sparks or open flames. Launder contaminated clothing before reuse. Wash thoroughly with soap and water after use. Keep containers closed when not in use. Flammable according to current DOT regulations.

**Special Comments:** This product is a combustible liquid. Do not reuse container. Dispose of the container in accordance with local, state and federal EPA regulations. Do not store near food or feed products.

**SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA**

**HMIS & NFPA Ratings: Health = 2 Fire = 2 Reactivity = 0**

This product does not contain any of the chemicals at 1% level that are considered to be a cancer causing or suspected of causing cancer by the National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and OSHA's 1910.10 Subpart Z List.

This product does not contain any chemicals that are found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.

Medical conditions aggravated by product: dermatitis, cuts and abrasions.

Do not use nitrosating agents with this product since nitrosamine may form. Some nitrosamine have been shown to be carcinogenic.

All the ingredients in this product are on TSCA list and are in compliance with the Canadian Environmental Protection Act.

The VOC content according to EPA Method 24 is 3.48 lb./gal

SARA Title III Information

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ (lb)	RQ (gal.)*
None				

II. CERCLA Section 102 (a) Hazardous Substance

Component	CAS#	RQ (lb)	RQ (gal)*
Diethanolamine	111-42-4	100	517

III. Section 313 Toxic Chemical

Component	CAS#	%
Diethanolamine	111-42-4	1-3
2-Butoxyethanol	111-76-2	10-15

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