

# MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared: 1/4/2002

<b>SECTION 1 - PRODUCT IDENTIFICATION</b>				
Distributor <b>Custom Solutions</b>		Emergency Phone 1-800-226-5635 Ext. 326		
Address 900 East 103rd Street, Chicago, IL 60628				
Trade Name <b>Activ-O</b>		Product Type <b>Cleaner/Degreaser/Deodorizer</b>		
<b>SECTION 2 - INGREDIENTS</b>				
CHEMICAL NAME/COMMON NAME	CAS NO.	WT. %(opt)	TLV(Source)	TITLE III, SECT. 313
Sodium Metasilicate	6834-92-0	1-5%	None Established	No
Nonionic Surfactant	9016-45-9	1-10%	None Established	No
D-Limonene	5989-27-5	1-10%	None Established	No
Sodium Carbonate	497-19-8	1-5%	None Established	No
Water	7732-18-5		None Established	No
<b>SECTION 3 - PHYSICAL DATA</b>				
Boiling point (°F.)	212°F	Specific Gravity (H2O=1.0)	1.0 ± 0.005	pH 12.5 ± 0.5
Vapor Pressure (mm Hg)	Not Determined		Vapor Density (Air=1) Not Determined	
Solubility in water	<input type="checkbox"/> Complete	<input type="checkbox"/> Insoluble	<input checked="" type="checkbox"/> Emulsifiable (or Dispersible)	<input type="checkbox"/> Slight (or Partial)
Evaporation Rate (vs. H2O)	<input type="checkbox"/> Faster	<input type="checkbox"/> Slower	<input checked="" type="checkbox"/> About the Same	Appearance and Odor <b>Clear, colored liquid with citrus odor.</b>
<b>SECTION 4 - FIRE AND EXPLOSION HAZARD DATA</b>				
Flash Point (T.C.C.)	°F. <input checked="" type="checkbox"/> None to Boiling		Flammable Limits <b>N/A</b>	Upper Lower
Extinguishing Media	<b>Product is noncombustible. Water Spray (Fog), Dry Chemical; CO2; or Foam may be used where product is stored.</b>			
Special Firefighting Procedures	<b>Do not enter confined fire-spaces without protective clothing and self-contained air supply.</b>			
Unusual Fire and Explosion Hazards	<b>None</b>			
<b>SECTION 5 - REACTIVITY DATA</b>				
Stability	<b>Stable</b>			
Incompatibility	<b>Strong Acids, Oxidizers. Do not mix with chlorinated detergents or sanitizers.</b>			
Hazardous Decomposition Products	<b>Burning may produce oxides of carbon and other substances.</b>			
<b>SECTION 6 - HEALTH HAZARD DATA</b>				
Primary Routes of Exposure	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Skin	<input checked="" type="checkbox"/> Oral	<input type="checkbox"/> Inhalation <input type="checkbox"/> Other
Signs and Symptoms Of Overexposure (Acute)	<b>Direct contact with eyes may cause severe irritation and pain with marked redness &amp; swelling of conjunctiva. May injure eye tissue if not promptly removed. Prolonged or repeated skin exposure may cause moderate irritation &amp; reddening. Ingestion may cause moderate to severe irritation of mouth, throat and stomach with nausea and vomiting.</b>			
Signs and Symptoms of Overexposure (Chronic)	<b>Repeated contact may cause an allergic skin reaction.</b>			
Medical Conditions Aggravated by Overexposure	<b>Due to its defatting properties this product may exacerbate an existing dermatitis.</b>			
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> NONE
<b>SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES</b>				
Eyes	<b>Flush eyes with water for at least 15 minutes and call a physician immediately.</b>			
Skin	<b>Wash affected areas with large amounts of soap and water. If irritation persists call a physician.</b>			
Ingestion	<b>Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.</b>			
Inhalation	<b>Not an expected route of exposure. If vapors or mist cause irritation, remove subject to fresh air.</b>			
<b>SECTION 8 - SPECIAL PROTECTION INFORMATION</b>				
Respiratory Protection	<b>Not required under normal use conditions with good general ventilation. Protect against generated mists/spray back.</b>			
Ventilation Requirements	<b>Normal</b>	<input type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other
Eye Protection	<b>Safety Glasses/Goggles</b>			
Protective Gloves	<b>Rubber/PVC</b>			
Other Protective Clothing	<b>Protective clothing appropriate to minimize contact during specific operations.</b>			
<b>SECTION 9 - SPILL OR LEAK PROCEDURES</b>				
Steps To Be Taken If Released or	<b>Do not touch or walk through spilled material. Stop leak if you can without risk. Dike ahead of large spills to prevent run-off. Mop, pump or take up with sand or other inert absorbent and reclaim into containers for reuse, recycle, or proper disposal.</b>			
Waste Disposal Methods	<b>Dispose of in an approved waste facility according to Federal, State and local regulations.</b>			
<b>SECTION 10 - STORAGE AND HANDLING INFORMATION</b>				
Precautions to be Taken In Handling and Storage	<b>Keep container closed when not in use. Wash thoroughly after handling. D.O.T. Classification : Not Regulated</b>			

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

HMIS  
HAZARD  
RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST  
1 - SLIGHT  
2 - MODERATE  
3 - HIGH  
4 - EXTREME