



## MATERIAL SAFETY DATA SHEET

Product Name: Chroma Wash 212  
 Product Code: GA4821  
 MSDS Date: August 28, 2006

### 2: COMPOSITION, INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TLV	STEL
1	Petroleum Distillate Aliphatic Naphtha Solvent 64742-48-9	90 - 100	300 ppm		100	

### 3: HAZARDS IDENTIFICATION EMERGENCY RESPONSE INFORMATION

HAZARDS	HMIS	NFPA
Toxicity	1	1
Fire	2	2
Reactivity	0	0
Special	B	

RATING	DEGREE OF HAZARD
4	Extreme
3	High
2	Moderate
1	Slight
0	Insignificant

SPECIAL EQUIPMENT LEGEND			
A	Safety Glasses	F	C + Dust Mask
B	A + Gloves	G	B + Respirator
C	B + Apron	H	F + Goggles
D	C + Face Shield	I	B + Respirator
E	B + Dust Mask	X	Ask Supervisor

**Caution!** Combustible liquid and vapor. Harmful if inhaled. High vapor concentrations may cause dizziness. May cause skin irritation. Causes eye irritation. Harmful or fatal if swallowed. Pulmonary aspiration hazard: can enter lungs and cause damage.

#### HEALTH EFFECTS FROM OVEREXPOSURE

##### Primary Routes of Exposure

- Skin Contact
- Eye Contact
- Inhalation
- Ingestion

##### Eye Contact:

Direct contact with material can cause slight irritation but does not injure eye tissue.

##### Skin Contact:

Studies of skin absorption of material has demonstrated no harmful effects. May cause irritation with prolonged or repeated contact. Removes natural oils and fats from skin.

##### Inhalation:

Inhalation of mist or spray can cause irritation to nose, throat and lungs, and higher concentrations may cause headaches, dizziness, drowsiness, unconsciousness and other central nervous system effects, including death.

##### Ingestion:

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. This product has a low order of oral toxicity.



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## 4: FIRST AID MEASURES

### Inhalation:

Remove subject to fresh air. Keep subject at rest. If not breathing, give artificial respiration. Obtain medical assistance.

### Eye Contact:

Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

### Skin Contact:

Wash affected skin areas thoroughly with soap and water until no odor remains. If redness or swelling develops, consult a physician. Immediately remove contaminated clothing and wash before reuse.

### Ingestion:

Do Not induce vomiting! Do Not give liquids. Keep subject at rest. Obtain Emergency Medical Attention. Small amounts which accidentally enter the mouth should be rinsed out until the taste is gone.

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## 5: FIRE FIGHTING MEASURES

### FIRE AND EXPLOSIVE PROPERTIES:

Flash Point:	143°F TCC
Auto-ignition Temperature:	660°F = 349°C Estimated
Lower Explosion Limit:	1.3% Volume
Upper Explosion Limit:	9.8% Volume

### Unusual Hazards:

Combustible liquid; will release invisible vapors that form flammable mixtures that might ignite or explode. Vapors can travel considerable distances to an ignition source and flash back. Toxic gasses will form upon combustion. Material can accumulate static charges which can cause an incendiary electrical discharge. Material will float on water.

### Extinguishing Agents:

Water spray, regular foam, dry chemical, carbon dioxide are appropriate. Use extinguishing media appropriate for surrounding media. Avoid spraying water directly into storage containers due to danger of boilover. Use water spray to cool adjacent fire exposed containers to avoid rupture and spattering.

### Personal Protective Equipment:

As in any fire, wear self contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.

### Special Procedures:

None.

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## 6: ACCIDENTAL RELEASE MEASURES

### Personal Protection:

Appropriate protective equipment must be worn when handling a spill of this material. See the PERSONAL PROTECTION MEASURES Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section for appropriate actions.

### Procedures:

Prevent ignition; stop leak; ventilate area; keep spectators away; contain spill immediately with inert noncombustible materials (e.g. sand, earth, absorbent). Transfer liquids and solid diking material to separate



suitable containers for recovery or disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers, watercourses and open bodies of water. Use water spray to disperse vapors.

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## **7: HANDLING AND STORAGE**

### **Handling:**

Avoid contact with skin, eyes or clothing. Avoid breathing of mist or vapor. Never siphon by mouth.

Remove and wash contaminated clothing before reuse.

Practice good personal hygiene: Wash after handling; shower at end of work period.

### **Storage Conditions:**

Keep away from heat, sparks and open flame. Protect from storage temperatures above 120°F.

Keep in a well ventilated space that is NFPA Class IIIA. Consult NFPA and OSHA codes. Transfer operations must be electrically grounded.

Keep Out of Reach of Children.

Store upright in original closed container.

"Empty" containers retain product residue (liquid and/or vapor) that can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition due to explosion or fire hazard. Empty drums should be completely drained and properly bunged and promptly returned to a reconditioner or other proper disposal.

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## **8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **Respiratory Protection:**

A respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Use of this product may require respiratory protection under normal operating conditions and use of local exhaust ventilation is recommended, especially for confined spaces.

Where vapors or mists may occur, wear a MSHA / NIOSH approved (or equivalent) half-mask air purifying respirator. Air purifying respirators should be equipped with organic vapor cartridges and dust and mist filters.

### **Eye Protection:**

Wear chemical splash goggles (ANSI Z87.1 or approved equivalent), or full face shield.

### **Hand Protection:**

Wear gloves resistant to solvent permeation: neoprene, nitrile, polyvinyl alcohol, viton.

### **Other Protection:**

None required.

## **FACILITY CONTROL MEASURES:**

### **Ventilation:**

Use with adequate ventilation. Local exhaust ventilation is recommended and explosion equipment may be required.

### **Other Protective Equipment:**

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

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## **9: PHYSICAL AND CHEMICAL PROPERTIES**

**TYPICAL**



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State	Liquid
Appearance	Clear
Color	Colorless
Odor	Characteristic odorless solvent
Viscosity	Very Thin <= 1.2 cSt @ 25°C = 77°F
pH as is	Slightly acidic in water
Specific Gravity @ 60°F	0.7611
Density @ 60°F	6.4 Lbs/Gal
Vapor Density (Air = 1)	5.4
Vapor Pressure	> 1.4 mm Hg @ 25°C = 77°F
Freezing Point	< -60°C = -76°F
Boiling Point	354 - 372 °F
Solubility in Water	.01% Negligible
Percent Volatility	100%
Evaporation Rate (Ether = 1)	< 0.1 Approximate
VOC %	100% = 6.34 Lbs/Gal
HAP %	0.0% = 0.0 Lbs/Gal

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## **10: STABILITY AND REACTIVITY**

### **Instability:**

This material is considered stable.

### **Hazardous Decomposition Products:**

There are no known hazardous decomposition products for this material except for Carbon Dioxide, Carbon Monoxide if burned.

### **Hazardous Polymerization:**

This product will not undergo polymerization.

### **Incompatibility:**

This product is not compatible with strong acids and strong oxidizing agents.

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## **11: TOXICOLOGICAL INFORMATION**

Inhalation of vapor is harmful: Overexposure to high concentrations can cause eye, nose, throat, lung irritation; CNS (brain) effects, dizziness, difficulty in breathing, unconsciousness, coma and death. There are reports of heart irregularities from massive exposures.

Prolonged exposures can cause brain, liver, kidney effects/damage.

Skin contact can incur absorption. Repeated or prolonged contact is irritating.

Eye contact is irritating.

Oral consumption is harmful or fatal if swallowed. Pulmonary aspiration can enter lungs and cause damage.

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## **12: ECOLOGICAL INFORMATION**

Toxic to fish and food organisms.

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## **13: DISPOSAL CONSIDERATIONS**

### **Procedure:**

Incinerate liquid and contaminated solids in accordance with local, state and federal regulations.

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## **14: TRANSPORTATION INFORMATION**



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Duluth, MN 55807

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Proper Shipping Name: Petroleum Distillates, n.o.s.  
Hazard Class: Combustible Liquid  
Identification No.: UN1268  
Packing Group: III  
Label: Combustible  
Emergency Response Guide No.: 27 / 128  
RQ: None

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## 15: REGULATORY INFORMATION

### WORKPLACE CLASSIFICATIONS

This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product is a 'controlled' product under the Canadian Workplace Hazardous Materials Information System (WHMIS).  
Status is Class B, Division 3.

### EMERGENCY PLANNING AND COMMUNITY RIGHT - TO KNOW (SARA TITLE III)

#### Section 311/312 Categorizations (40 CFR 370)

This product is a hazardous material under 29 CFR 1910.1200, and therefore is covered by Title III of SARA and is classified into the following hazard categories:

Immediate (Acute) Health - NO  
Delayed (Chronic) Health - NO  
Fire - YES

#### Section 313 Information (40 CFR 372)

This product does not contain chemicals which are listed in Section 313 at or above the de minimis concentrations.

#### CERCLA INFORMATION (40 CFR 302.4)

Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to the state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

#### CLEAN WATER ACT/OIL POLLUTION ACT

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water must be reported to the National Response Center at 800-424-8802.

#### RCRA INFORMATION

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability. As provided by supplier, this material is not a RCRA hazardous waste.

#### CHEMICAL CONTROL LAW STATUS

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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## 16: OTHER SUPPLEMENTAL INFORMATION

### ABBREVIATIONS



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<b>ACGIH</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>OSHA</b>	<b>Occupational Safety and Health Administration</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>PEL</b>	<b>Permissible Exposure Limit</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>BAC</b>	<b>Butyl acetate</b>
<b>NE</b>	<b>Not Established</b>
<b>ND</b>	<b>Not Determined</b>
<b>NA</b>	<b>Not Applicable</b>

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