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MSDS Number: 226
Revision Date: 4/12/2012
Supersedes Date: 1/27/2010

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: PAINT THINNER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Type: Thinners/Solvent
Product Name: **Paint Thinner**
Part Number(s): **10-6702**

Emergency Contact: **Chemtrec**
Phone: **(800) 424-9300**

HMIS Ratings	Least	0	NFPA Ratings	
	Slight	1		
Health	2	Moderate	2	
Flammability	3	High	3	
Reactivity	0	Extreme	4	
Personal Protection:	B	B: Gloves, safety glasses	Reactivity	0

SECTION 2. HAZARD IDENTIFICATION

Potential Physical Effects: Highly flammable liquid and vapor

Potential Health Effects:

- Oral: May be harmful if swallowed
- Dermal: Causes skin irritation
- Eye: Causes eye irritation
- Inhalation: May be harmful if inhaled. Burns and irritation to respiratory tract
Causes damage to the nervous system
- Chronic: May damage fertility or the unborn child

Potential Environmental Effects: Harmful to aquatic life with long lasting effects.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

INGREDIENT	CAS #	Wt %
TOLUENE	108-88-3	40-50
Naphtha (petroleum), heavy alkylate	64741-65-7	40-50



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SECTION 4. FIRST AID MEASURES

- AFTER INHALATION:** Remove victim from the exposure. Give artificial respiration if not breathing. Supply fresh air. Prevent aspiration of vomit, turn victim's head to side. Seek medical advice.
- AFTER SKIN CONTACT:** Remove all contaminated clothing and wash before use. Flush affected area with water for at least 15 minutes. Wash contaminated skin with water and soap and rinse thoroughly. Do not use ointments or greases. Destroy contaminated leather apparel. Seek medical advice.
- AFTER EYE CONTACT:** Immediately rinse opened eye for at least 15 minutes under running water. Immediately remove contact lenses if present and easy to do so. Continue rinsing. Seek immediate medical advice.
- AFTER SWALLOWING:** If the victim is conscious, administer 3-4 glasses of milk or water. Do not induce vomiting. Seek immediate medical advice.

SECTION 5. FIRE FIGHTING MEASURES

- EXTINGUISHING AGENTS:** Use fire fighting measures that suit the environment. Ignition will give rise to a Class B fire. In case of fire, suitable extinguishing agents are: water spray, alcohol resistant foam for large scale fires, for small fires, dry chemicals or fire-extinguishing powder, and carbon dioxide (CO₂).
- FIRE-FIGHTING PROCEDURES:** Isolate fire and deny unnecessary entry. Keep people away. Eliminate all ignition sources if safe to do so. Do not extinguish fire unless flow can be stopped. Fight fire remotely. Use water to cool fire exposed container and fire affected zone until fire is out and danger of re-ignition has passed. Move container from fire area if possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Fight fire from protected location or safe distance.
- Contain fire water run-off if possible. Fire run-off, if not contained, may cause environmental damage.
- SPECIAL HAZARDS ARISING IN FIRE:** Caution! Highly flammable liquid or vapor. May generate toxic or irritating combustion products. Contact of liquid with skin should be prevented. Sudden reaction and fire may result if mixed with an oxidizing agent. May generate carbon monoxide, nitrogen oxide and ammonia gas. Personnel in vicinity downwind should be evacuated.



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SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

ADVICE FOR FIREFIGHTERS: Wear protective gloves, eye and face protection. As with any fire, wear self-contained breathing apparatus pressure demand (MHTA/NIOSH approved or equivalent) and full protective gear. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS Caution! Highly flammable liquid or vapor; wear fire resistant or retardant clothing during clean up. Avoid contact with skin, eyes and clothing. Do not breathe fumes or vapors if inhalable fumes or vapors may occur during use.

PROTECTIVE EQUIPMENT: Wear appropriate personal protective equipment (PPE); See Section 8 for relevant information.

ENVIRONMENTAL PRECAUTIONS: Do not allow substance/mixture to reach sewage system or any water course. Do not allow substance/mixture to penetrate the ground/soil. Inform respective authorities in case of any seepage into the environment.

METHODS FOR CLEANING UP: Ensure adequate ventilation. Eliminate all ignition sources. Use absorbent paper to pick up the spilled substance/mixture. Ventilate and wash area after clean-up is complete. Collect in suitable and properly labeled containers. Solvents are not recommended for clean-up unless recommended exposure guidelines and safe handling practices for the specific solvents are followed. Dispose of contaminated chemical as waste according to Section 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Caution! Highly flammable liquid or vapor. Keep away from heat, sparks, open flame and other ignition sources. Protect against electrostatic charges during handling. Metal containers involved must be grounded and bonded. Use only non-sparking tools and equipment, especially when opening or closing containers of combustible contents. Do not handle until all safety precautions have been read and understood. Wash hands and skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear proper protective equipment (PPE) when handling materials. See Section 8 for specific PPE. Keep away from heat, sparks, flames, and any other ignition sources.

STORAGE CONDITIONS: Store in accordance with local, regional, national, and international regulations. Caution! Highly flammable liquid or vapor; keep away from heat, sparks, open flame and other ignition sources during storage. Store away from food and beverages. Store away from incompatible materials.



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SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

GENERAL PROTECTIVE AND HYGENIC MEASURES: Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with eyes and skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Material properties and human health hazards have not been fully evaluated. As a minimum precaution, always wear safety glasses or goggles and suitable hand protection such as nitrile, butyl rubber, or neoprene gloves. The selection of glove material should take into consideration the penetration times, rates of diffusion, and the degradation. PPE recommendation are only guidelines and may not apply to every situation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR:	Colorless	FLASH POINT:	> 39 F
ODOR:	Petroleum-like	IGNITION TEMPERATURE:	Not determined
FORM:	Liquid	LOWER EXPLOSION LIMIT:	0.7 vol%
SPECIFIC GRAVITY:	0.81 g/cm ³	UPPER EXPLOSION LIMIT:	7.1 vol%
pH VALUE:	Not determined	VAPOR PRESSURE:	Not determined
MELTING POINT:	Not determined	VAPOR DENSITY:	Not determined
BOILING POINT:	>230 F		

SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Caution! Highly flammable liquid or vapor. Keep away from heat, sparks, open flame and other ignition sources.

THERMAL DECOMPOSITION: Thermally decomposes during fire or high heat. Keep away from heat, sparks, flame, and any other ignition sources.

INCOMPATIBLE MATERIALS: Oxidizing agents, strong acids

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ORAL: > 2000 mg/kg (rat) (Naphtha (petroleum), heavy alkylate)
4800 mg/kg (rat) (TOLUENE)

DERMAL: > 2000 mg/kg (rat) (Naphtha (petroleum), heavy alkylate)
12267 mg/kg (rabbit) (TOLUENE)



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SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

ACUTE TOXICITY (Cont.) :

INHALATIVE: LC50/ 1hour greater than near-saturated vapor concentration. (rat) (Naphtha (petroleum), heavy alkylate)
18 mg/l (rat) (TOLUENE)

CARCINOGENICITY: None of the components was listed as a carcinogen in concentration of 0.1 percent or greater.

REPROUDUCTIVE TOXICITY: This product contains TOLUENE (108-88-3) as a known chemical to cause reproductive toxicity for females by the State of California 65.

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

FISH: LC/EC/IC50 > 1000 mg/l (Naphtha (petroleum), heavy alkylate)
LC50 (96 hrs) = 5.5 mg/l (TOLUENE)

CRUSTACEAN: LC/EC/IC50 > 1000 mg/l (Naphtha (petroleum), heavy alkylate)
LC50 (48 hrs) = 3.8 mg/l (TOLUENE)

ALGAE: LC/EC/IC50 > 1000 mg/l (Naphtha (petroleum), heavy alkylate)
EC50 (3 hrs) = 207 mg/l (TOLUENE)

BIODEGRADATION: Not determined

ENVIRONMENTAL EFFECTS: Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

HAZARDOUS WASTE AND TREATMENT: Do not allow product to reach ground/soil, sewage system, or any water course. Do not dispose with household garbage. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted incinerator or other thermal destruction facility. Dispose of contents/containers in accordance with local, regional, national, and international regulations.



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SECTION 14. TRANSPORT INFORMATION

DOT DOMESTIC TRANSPORT:

HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL: 3 Flammable liquids
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (TOLUENE, NAPHTHA)

IMDG MARITIME TRANSPORT:

HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL: 3 Flammable liquids
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (TOLUENE, NAPHTHA)

ICAO-TI AND IATA-DGR AIR TRANSPORT

HAZARD CLASS: 3
ID NUMBER: UN1993
PACKING GROUP: II
LABEL: 3 Flammable liquids
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (TOLUENE, NAPHTHA)

SECTION 15. REGULATORY INFORMATION

TSCA 8 (b) Inventory Status: All components are listed.
TSCA 12 (b) Export Notification: None.
CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 313: TOLUENE (108-88-3)

California Proposition 65:
This product contains a chemical known to the State of California to cause reproductive toxicity for females:
TOLUENE (108-88-3)

Carcinogenic Categories

- EPA (Environmental Protection Agency):
TOLUENE (108-88-3), Group II (Not expected to be a human carcinogen)
- IARC (International Agency for Research on Cancer):
TOLUENE (108-88-3), Group 3 (Not classifiable as to its carcinogenicity to humans)
- NTP (National Toxicology Program): None
- TLV (Threshold Limit Value Established by ACGIH):
TOLUENE (108-88-3), Group A4 (Not expected to be a human carcinogen)



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SECTION 16. OTHER INFORMATION

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.

ABBREVIATIONS AND ACRONYMS:

ACGIH: American Conference of Governmental Industrial Hygienist
IARC: International Agency for Research on Cancer
HMIS: Hazardous Material Information System
MHSA: Mental Health Services Act
N/D: Not determined.
NFPA: National Fire Protection Agency
NIOSH: National Institute for Occupation and Health
NTP: National Toxicology Program
OSHA: Occupational Health and Safety Administration