



Section 1: Chemical Product and Company Identification

PRODUCT NAME : CP-100

Date Printed : 06/07/2013

PRODUCT USE/CLASS : Solvent Based Products

GEMINI TECHNOLOGIES, INC.

A division of Cross Technologies Group
1210 Manufactures Drive
Westland, MI 48186

Emergency Telephone Number : (734) 895-8076

Product Information : (734) 895-8076

Fax Number : (509) 463-2994

Hours of Operation : 8 AM – 5 PM

Preparer : DAK Phone : (248) 891-1942

Prepared Date : 06/07/2013

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphtha (Petroleum) Hydrotreated Heavy	64742-48-9	85% - 98%
Methylene Chloride	75-09-2	<0.6%

Section 3: Hazards Identification

Emergency Overview

Appearance: Clear, blue solution

Warning! Combustible material. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and /or explode if ignited. Material can accumulate static charges which may cause an ignition. If swallowed, may be aspirated and cause lung damage. May be irritating to the eyes, nose, throat, and lungs.

Target Organs: Central nervous system, respiratory, system, eyes, skin.

Potential Health Effects

EYE: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: Ingestion may cause nausea; larger doses can lead to central nervous system depression. Ingestion can cause droplets to enter the lungs, causing chemical pneumonitis.

INHALATION: Aspiration into lungs may cause chemical pneumonitis. Vapor/Aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

CHRONIC: May cause dermatitis. Chronic inhalation causes dizziness, weakness, weight loss, anemia, nervousness, limb pain, numbness, and paresthesia.

Section 4: First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until chemical is gone. Get medical aid at once.
Skin:	Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid at once.
Ingestion:	Do not induce vomiting. Give conscious victim 2 – 4 cups of milk or water. Never give anything by mouth to an unconscious person. Get medical aid at once.
Inhalation:	Move victim to fresh air immediately. If breathing is difficult, administer oxygen. Give artificial respiration if necessary. Get medical aid at once.
Notes to Physician:	Treat symptomatically and supportively.

Section 5: Fire and Explosion Data

Flammability of the Product: Combustible.

Auto-Ignition Temperature: 246°C (475°F)

Flash Points: CLOSED CUP: 66°C (150°F) TAG

Flammable Limits: LOWER: 0.7% UPPER: 5.3%

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Hazardous Combustion Products: Smoke, Fume, Incomplete combustion products, Oxides of carbon.

Section 6: Accidental Release Measures

NOTIFICATIONS PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks.

PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See section 5 for firefighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for first Aid Advice. See section 8 for Personal Protective Equipment.

Section 6: Accidental Release Measures (Con't)

SPILL MANAGEMENT

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large Spills: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Water Spill: Stop leak if you can do it without risk. Eliminate sources of ignition. Warn other shipping. If the Flash Point exceeds the Ambient Temperature by 10°C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the Flash Point does not exceed the Ambient Air Temperature by at least 10°C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill or later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Section 8: Exposure Controls/Personal Protection (Con't)

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

Hand Protection: If prolonged or repeated contact is likely, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.

EXPOSURE LIMIT VALUES

Exposure limits/standards (Note: Exposure limits are not additive)

Source	Form	Limit/Standard			Note	Source
Naphtha (Petroleum), Hydrotreated Heavy	Vapor	RCP-TWA	1200 mg ³	175 ppm	Total Hydrocarbons	Exxon Mobil

Section 9: Physical and Chemical Properties

Boiling Range	: 360°F - 399° F	Physical State	: Liquid
Odor	: Odorless	Vapor Pressure	: 0.09 kPa (0.68 mm Hg) @ 20°C
Appearance	: Colorless	Vapor Density (Air = 1)	: 5.6 at 101 kPa
Solubility in H₂O	: Negligible	Critical Temperature	: 235°C (455°F)
Freeze Point	: < -108°F	Specific Gravity	: 0.763 (Water = 1)
Volatility	: 98%	pH	: Not Applicable
Viscosity	: Water Thin		

Section 10: Stability and Reactivity Data

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat, sparks, open flames and other ignition sources.

MATERIALS TO AVOID: Strong oxidizers.

STABILITY: The product is stable under normal conditions.

Section 11: Toxicological Information

RTECS: CAS# 64742-48-9: Not available.

LD50/LC50: CAS# 64742-48-9: Dermal, rat: LD50=>3160 mg/kg
Oral, rat: LD50=>10000 mg/kg

CARCINOGENICITY: CAS# 64742-48-9: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, OR CA Prop.

EPIDEMIOLOGY: No information found

TERATOGENICITY: No information found

REPRODUCTIVE: No information found

MUTAGENICITY: No information found

NEUROTOXICITY: No information found

Section 12: Ecological Information

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material: Not expected to be harmful to aquatic organisms.

Material: Not expected to demonstrate chronic toxicity to aquatic organisms.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION:

Material: Expected to be readily biodegradable.

HYDROLYSIS:

Material: Transformation due to hydrolysis not expected to be significant.

PHOTOLYSIS:

Material: Transformation due to photolysis not expected to be significant.

ATMOSPHERIC OXIDATION:

Material: Expected to degrade rapidly in air.

OTHER ECOLOGICAL INFORMATION: VOC (EPA Method 24): 6.359 lbs/gal

Section 13: Disposal Considerations

Waste Disposal: Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant LOCAL, STATE, and FEDERAL laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section 14: Transport Information

LAND (DOT)

Proper shipping Name: Petroleum Distillates, N.O.S.

Hazard Class & Division: Combustible Liquid

ID Number: 1268

Packing Group: III

ERG Number: 128

Label(s): None

Transport Document Name: UN1268, Petroleum Distillates, N.O.S., Combustible Liquid, PG III

LAND (TDG)

Proper shipping Name: Petroleum Distillates, N.O.S.

Hazard Class & Division: 3

UN Number: 1268

Packing Group: III

AIR (IATA)

Proper shipping Name: Petroleum Distillates, N.O.S.

Hazard Class & Division: 3

UN Number: 1268

Packing Group: III

Label(s) / Mark(s): 3

Transport Document Name: UN1268, Petroleum Distillates, N.O.S., 3, PG III

Section 14: Transport Information (Con't)

SEA (IMDG)

Proper shipping Name: Petroleum Distillates, N.O.S.
Hazard Class & Division: 3
EMS Number: F - E, S - E
UN Number: 1268
Packing Group: III
Label(s): 3
Transport Document Name: UN1268, Petroleum Distillates, N.O.S., 3, PG III, (54°C c.c.)

Section 15: Other Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

FEDERAL AND STATE REGULATIONS: California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Methylene chloride California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Methylene chloride Pennsylvania RTK: Methylene chloride Massachusetts RTK: Methylene chloride TSCA 8(b) inventory: Methylene chloride SARA 313 toxic chemical notification and release reporting: Methylene chloride CERCLA: Hazardous substances: Methylene chloride

Methylene Chloride 75-09-2 <0.6%

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200)

Other Classifications:

WHIMIS (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (Very Toxic).

DSCL (EEC): R22-Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 1
Fire Hazard: 2
Reactivity: 0
Personal Protection: B

National Fire Protection Association (U.S.A.):

Health: 1
Flammability: 2
Reactivity: 0

Protective Equipment:

Gloves. Lab coat. Splash goggles.

Section 16: Other Information

Previous MSDS revision date: 01/08/2009

Legend: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

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