K-Chem, Inc.

HMIS RATINGS:
Health: 2
Flammability: 2
Reactivity: 0
Personal Protection: G

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: K-CHEM CARC PAINT STRIPPER IV
Chemical Family: Solvent Degreaser
Company Identification: K-CHEM, INC.
P.O. BOX 530632
BIRMINGHAM, AL 35253

Emergency Telephone Number: (800)255-3924
Date Prepared: February 20, 2007
MSDS Number: ST41C
Information Number: (205) 592-0844

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ ACGIH TLV	SARA 302/ 304(1)*	SARA 313 (2)*	STATE INFO(3)(4)	CERCLA RQ
100-51-6	Benzyl Alcohol		n/e / n/e	NO	NO	NO	
64-18-6	Formic Acid	<25	5 ppm	YES	YES	3,4	5000 lbs
630-08-0	Carbon Monoxide**		50ppm/25ppm	NO	NO	3,4	

**The carbon monoxide concentration in the vapor space of a closed container could be 1-2%

* See Section 15 for more information n/e = none established - n/a = not applicable

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Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. Combustible. May cause severe burns. Keep away from heat and flame. Harmful or fatal if swallowed. Aspiration hazard. Vapor harmful. Harmful if absorbed through skin. Can cause nervous system depression. Clear liquid with solvent odor.

Primary Route of Entry: Skin contact/absorption, inhalation, eye contact

Acute/Potential Health Effects:

EYES: Can cause permanent eye injury. Symptoms may include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

SKIN: Concentrated solutions are destructive to clothing and on contact with skin, cause severe burns unless promptly washed off. Absorption from prolonged or massive skin contact may cause poisoning.

INHALATION: Mist or vapor inhalation can cause severe irritation to the nose, throat and upper respiratory tract. May cause dizziness, nausea, headache or loss of consciousness.

INGESTION: Harmful or fatal if swallowed. Symptoms may include severe burning and pain in mouth, throat and abdomen. Vomiting, diarrhea and perforation of the esophagus and stomach lining may occur. Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Section 3: HAZARDS IDENTIFICATION - continued:

Chronic / Long Term Effects: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Signs and Symptoms of Overexposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Target Organ Effects: No data.

Reproductive/Developmental Information: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Section 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention immediately.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.

INGESTION: Seek medical attention immediately. Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Do not leave individual unattended.

Section 5: FIRE FIGHTING MEASURES

Flash Point: > 200 degrees F (TCC Method)
Extinguishing Media: Dry chemical, CO2 or foam is recommended.
Special Fire Fighting Instructions: Wear a self contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with chemical resistant personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Eliminate all ignition sources. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Section 7: HANDLING AND STORAGE

Pressure can build up in closed containers due to decomposition of Formic acid to carbon monoxide. Always open containers slowly to allow carbon monoxide to vent. Use with adequate ventilation. Do not get in eyes, on skin or on clothing. Store at temperatures below 100F (38C). Keep away from heat and flames. Keep container closed when not in use.

Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

Eye Protection: Wear safety glasses or goggles.

Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

Respiratory Protection: When respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 and ANSI Z88.2 requirements must be followed.

Engineering Controls: Good general ventilation required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear reddish liquid with solvent odor
pH Concentrate: 2.0
Solubility in Water: Insoluble
Vapor Pressure [mmHg]: n/e
Evaporation Rate (Butyl Acetate=1): n/e
Vapor Density [Air=1]: n/e
Specific Gravity [H20=1]: 1.07
Boiling Point: n/e
VOC: 25% by weight

Section 10: REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to avoid: High temperature
Hazardous Decomposition Products: CO, CO2, NOx
Incompatibility: Strong acids, bases and oxidizers

Section 11: TOXICOLOGICAL INFORMATION

Formic acid: Acute oral LD50: 1100-1850 mg/kg (rat); inhalation LC50: >500 ppm (rat, 6 hrs)

Section 12: ECOLOGICAL INFORMATION

Formic acid: EC50 = 120 to 151.2 ppm (Daphnia magna), 48 hr.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: TRANSPORTATION INFORMATION

D.O.T. Shipping Name / Class:

Formic acid solution, 8, UN1779, PGII

Section 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:
ACUTE (X) Chronic (X) Fire (X) Pressure ( ) Reactive ( ) Not Applicable ( )

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)
D002

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.
(3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)
(4) Massachusetts (Hazardous Substance Disclosure by Employers)

Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.