

**RAINBOW TECHNOLOGY CORPORATION**  
**261 Cahaba Valley Parkway**  
**Pelham, Alabama 35124**

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - MANUFACTURER INFORMATION**

MANUFACTURER/DISTRIBUTOR	Rainbow Technology Corporation (800)637-6047
CONTACT PERSON	Larry Joe Steeley, Jr.
EMERGENCY PHONE (24 HRS.)	Chem-Tel Inc. (800) 255-3924
TRADE NAME/SYNONYMS	Powersolv
PRODUCT NUMBER	4214(qt) 4214-1 (gln) 4214-5 (5 gln.) 4214-55 (55 gln) 4220 (towelettes) 42143 (60 towelette dispenser pail), 42147 (individually packaged)
CHEMICAL NAME	Proprietary
CHEMICAL FAMILY	
FORMULA	Proprietary
ISSUE DATE	March 30, 2011
REPLACES MSDS DATED	October 20, 2010

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH . . . . . 2  
FLAMMABILITY . . . 2  
REACTIVITY . . . . 0  
PROTECTION . . . . G

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Aliphatic Hydrocarbon	64742-47-8	>99.0	300 PPM	300 PPM

**SECTION 3 - HEALTH HAZARD INFORMATION**

**EMERGENCY OVERVIEW:** Danger. Combustible mixture. Harmful or fatal if swallowed. Aspiration hazard. Vapor harmful. Can cause nervous system depression. Keep away from heat and flame. Clear, colorless liquid with orange odor.

**Primary Route or Entry:** Eye contact, skin contact, inhalation

**Acute/Potential Health Effects**

**EYES:** May cause mild to moderate eye irritation. Symptoms include stinging, tearing and redness or swelling of conjunctiva.

**SKIN:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying of skin and skin burns.

**INHALATION:** Avoid breathing vapors or mists. May cause dizziness, nausea, headache or loss of consciousness.

**INGESTION:** Harmful or fatal if swallowed. Aspiration hazard-this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

**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:** No data.

**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 (Method Used): 143°F (TOC)

EXTINGUISHING MEDIA: Dry chemical, CO<sub>2</sub>, or foam is recommended.

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self contained breathing apparatus with a full-face piece operated in the positive demand mode. Chemical resistance PPE is recommended.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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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 drain, sewers, streams, or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil, and other materials to containers for disposal.

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### SECTION 7 – HANDLING AND STORAGE

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Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin, or clothing. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

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### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**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 used in enclosed spaces, such as vaults, manholes, tanks, etc. respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 7 ANSI Z88.2 requirements must be followed.

**Engineering Controls:** Good general ventilation required.

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (F):	360-428°	SPECIFIC GRAVITY (WATER=1)	0.78
VAPOR PRESSURE (mmHg):	N/E	PH Concentrate	N/A
VAPOR DENSITY (AIR=1)	N/E	EVAPORATION RATE (N-BUTYL ACETATE=1)	0.06
SOLUBILITY IN WATER:	< 1%		
APPEARANCE AND ODOR INFORMATION:	Clear, colorless liquid with orange odor		

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### SECTION 10 – REACTIVITY

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STABILITY:	Stable
CONDITIONS TO AVOID:	High temperature
INCOMPATIBILITY	Strong oxidizing agents, strong acids
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION OR By- PRODUCTS:	CO, CO2

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### SECTION 11 – TOXICOLOGICAL INFORMATION

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No data.

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### SECTION 12 – ECOLOGICAL INFORMATION

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No data.

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### SECTION 13 – DISPOSAL INFORMATION

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**Waste Disposal Method:**

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

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### SECTION 14 – TRANSPORTATION INFORMATION

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**D.O.T. Shipping Name/Class:**

Not regulated for domestic shipments

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**SECTION 15 – REGULATORY INFORMATION**

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U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of this 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).

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal Standards. If indicated under Section 2 of the 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)

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*The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.*