



Material Safety Data Sheet



HMIS

Health Hazard	2
Fire Hazard	3
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Trade Name **Iodine Test** Part # RE2038

Manufacturer Haztech Systems, Inc.
PO Box 929
Mariposa, CA 95338

Commercial Name UniSolv, PestiSolv, SpectroSolv, SpectroSolv

Synonyms

CAS # 110-54-3

RTECS MN9275000

TSCA TSCA 8(b) inventory: Hexane(s)

Chemical Formula C₆H₁₄

Supplier Spectrum Chemical Mfg. Corp.
14422 S. San Pedro St.
Gardena, CA 90248

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m ³)	STEL	CEIL (mg/m ³)	
Hexane(s)	110-54-3	176			100%

Toxicological Data on Ingredients Hexane(s): ORAL (LD50): Acute: 28710 mg/kg (Rat).
GAS (LC50): Acute: 5759.3 ppm 4 hour(Trout).

Section 3. Hazards Identification

Potential Acute Health Effects Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: PROVEN
The substance is toxic to lungs, the reproductive system, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Section 5. Fire and Explosion Data

Flammability	Flammable.
Auto-Ignition Temperature	223°C (433.4°F)
Flash Point	CLOSED CUP: 2.16°C (35.9°F). (TAG) OPEN CUP: -22°C (-7.6°F).
Flammable Limits	LOWER: 1.1% UPPER: 7.5%
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks. Slightly flammable to flammable in presence of oxidizing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder.
Special Remarks on Fire Hazards	Not applicable.

Section 6. Accidental Release Measures

Small Spill Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7. Handling and Storage

Precautions Do not ingest. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes

Storage Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use in a well ventilated area.

Personal Protection Gloves and goggles.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid	Volatility	Not available
Molecular Weight	86.18 g/mole	Odor Threshold	Not available
pH (1% Solution in Water)	Not available	Water/Oil Dist. Coeff.	Not available
Boiling Point	68.95°C (156.1°F)	Ionicity (in Water)	Not available
Melting Point	-95°C (-139°F)	Dispersion Properties	Not available
Critical Temperature	Not available	Solubility	Very slightly soluble in cold water.
Specific Gravity	Not available	Odor	Slight.
Vapor Pressure	124 mm of Hg (@ 20°C)	Taste	Not available
Vapor Density	2.97 (Air = 1)	Color	Clear, colorless.

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Not considered to be corrosive for metals and glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

Section 11. Toxicological Information

Route of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 28710 mg/kg (Rat). Acute toxicity of the gas (LC50): 5759.3 ppm 4 hour (Trout).
Chronic Effects on Humans	DEVELOPMENTAL TOXICITY: PROVEN The substance is toxic to lungs, the reproductive system, central nervous system (CNS).
Other Toxic Effects on Humans	Very hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Passes through the placental barrier in animal.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Contains biodegradable surfactants.

Section 13. Disposal Considerations

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Class 3: Flammable liquid.

Identification Hexane, 3, UN1208, II

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations Regulations
 Pennsylvania RTK: Hexane(s)
 Florida: Hexane(s)
 Minnesota: Hexane(s)
 Massachusetts RTK: Hexane(s)
 New Jersey: Hexane(s)
 TSCA 8(b) inventory: Hexane(s)
 TSCA 8(d) H and S data reporting: Hexane(s)
 TSCA 12(b) one time export: Hexane(s)
 SARA 313 toxic chemical notification and release reporting: Hexane(s): 1%
 CERCLA: Hazardous substances.: Hexane(s)

California Proposition 65 Warnings

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
 EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
 Other classifications WHMIS (Canada) CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
 CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC) R11- Highly flammable. R38- Irritating to skin. R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation. R51/53- Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. R62- Possible risk of impaired fertility. R65- Harmful: may cause lung damage if swallowed.

Section 16. Other Information

Part Number(s) RE2038

References Not available.

Other Special Considerations Not available.

Validated by R. Houghton 10/9/02

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.