SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2024) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

- **Product Code:** 00122
- **Product Name**: **CASE SLICK**

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- **Recommended use:** Follow instruction on label.
- **Restrictions on use:** For use by persons who review, understand, and follow guidance in this document.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company Name:	**Manufactured For:**
SIERRA CHEMICAL COMPANY **888 NORTHPORT DRIVE** **WEST SACRAMENTO, CA 95691** **Emergency Contact CHEMTREC** 1-800-424-9300; +1 703-527-3887 **Information:** Sales & Information -1-530-538-2600	**RCBS** **605 ORO DAM BLVD. E** **OROVILLE, CA 95965** **Information:** 1-800-533-5000

SECTION 2: HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

- **Classification of the Substance or Mixture:** Skin Corrosion/Irritation, Category 2; Toxic to Reproduction, Category 2; Specific Target Organ Toxicity (single exposure), Category 3; Specific Target Organ Toxicity (repeated exposure), Category 2; Aspiration Toxicity, Category 1; Flammable Liquids, Category 2; Aquatic Toxicity: Aquatic Toxicity (Acute), Category 2 Aquatic Toxicity (Chronic), Category 2

2.2 LABEL ELEMENTS:

- **Hazard Pictograms**

- **Signal Word** DANGER.
- **Hazard Statements** H225 - Highly flammable liquid and vapor. H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H361 - Suspected of damaging fertility or the unborn child . H373 - May cause damage to organs (Nervous system) through prolonged or repeated exposure if inhaled. H401 - Toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
- **Precautionary Statements**

Prevention P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 - Keep container tightly closed. P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P281 - Use personal protective equipment as required. P235 - Keep cool.

SECTION 2: HAZARD IDENTIFICATION (Continued)

2.2 LABEL ELEMENTS (Continued)

ELEMENT

- **Precautionary Statements**

Response	P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Storage	P403+233 - Store container tightly closed in well-ventilated place. P405 - Store locked up.
Disposal	P501: Dispose of contents and container according to the local, city, state, and federal regulations

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Hexane	110-54-3	Flammable liquids (Category 2); Skin irritation (Category 2); Reproductive toxicity (Category 2); Specific target organ toxicity - single exposure (Category 3, Central nervous system); Specific target organ toxicity - repeated exposure, Inhalation (Category 2, Nervous system), Aspiration hazard (Category 1); Short-term (acute) aquatic hazard (Category 2); Long-term (chronic) aquatic hazard (Category 2)	< 90%
Trade secret [1]			< 15%

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- **RECOMMENDED MEASURE BY AREA EXPOSED:**

AREA EXPOSED

Eye Contact	Flush with copious amounts of water for 15 minutes. “Roll” eyes during flush. Seek medical attention if irritation persists.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.
Inhalation	Obtain fresh air.
Ingestion	If conscious only: Rinse mouth with water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- **ACUTE HEALTH EFFECTS BY ROUTE OF EXPOSURE:**

AREA EXPOSED

Eye Contact	May cause mild eye irritation.
Skin Contact	Causes skin irritation.
Inhalation	Inhalation of vapors can cause drowsiness, dizziness, and central nervous system effects.
Ingestion	May be fatal if swallowed and enters airways.

- **CHRONIC HEALTH EFFECTS:** May cause adverse effects on the reproductive system. May cause adverse effects on the central nervous system after prolonged or repeated exposure.
- **TARGET ORGANS:** Skin, reproductive system, central nervous system.

[1] The exact percentage of composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

SECTION 4: FIRST AID MEASURES (Continued)

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

- **GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- **RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- **MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

- **RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Dry Powder, Foam, Carbon Dioxide, or any other.
- **UNSUITABLE FIRE EXTINGUISHING MEDIA:** Water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- **NFPA FLAMMABILITY CLASSIFICATION:**

NFPA Rating

NFPA Classification Class 1B Flammable Liquid.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Decomposition	Generates carbon dioxide, carbon monoxide and irritating vapors.
Explosion Sensitivity to Mechanical Impact	Not applicable.
Explosion Sensitivity to Static Discharge	This product may be sensitive to static discharge, which could result in fire or explosion.

5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product into the environment. Avoid accidental dispersal of spilled material into soil, waterways, and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

- **Hygiene Practices:** Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
- **Handling Practices:** Employees must be appropriately trained to use this product safely as needed. Do not use near any source of heat or open flame, furnace areas, pilot lights, stoves, etc. Ensure all equipment is electrically grounded before beginning transfer operations. Keep containers closed when not in use.

SECTION 7: HANDLING AND STORAGE (Continued)

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- **Storage Practices:** Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care. Do not puncture, cut, or weld empty containers.
- **Incompatibilities:** See Section 10 (Stability and Reactivity).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:** The following components have published airborne exposure limits.

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Hexane	TWA = 50 ppm; (Skin)	TWA = 500 ppm	TWA = 50 ppm	NIOSH IDLH 1100 ppm (10% LEL) CA PEL: TWA = 50 ppm (Skin)

- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS**: The following components have established Biological Exposure Indices (BEIs).
  - **Hexane**: 2,5-Hexadione in urine; End of shift; 0.5 mg/L

8.2 EXPOSURE CONTROLS and PERSONAL PROTECTION

- **Engineering Controls:** Use in well-ventilated environment. Use adequate ventilation to keep airborne concentrations low.
- **Respiratory Protection**: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
- **Hand Protection**: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Wear appropriate protective gloves to prevent skin exposure.
- **Eye Protection**: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- **Other Protection**: Complete suit protecting against chemicals. Wear appropriate protective clothing to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance** Clear, colorless liquid.
- **Odor** Solvent odor.
- **Odor Threshold** Not determined.
- **pH** Not applicable.
- **Melting Point/Freezing Point** NA -44°C (-47°F).
- **Initial Boiling Point/Boiling Range** Hexane = 69°C (156 °F).
- **Flash Point** 21°C (-7* °F) [Cleveland Closed Cup]
- **Evaporation Rate (Water = 1)** Not determined.
- **Flammability** Class IB Flammable Liquid
- **Upper/Lower Explosive Limits** Hexane: 8.1%/1.0%
- **Vapor Pressure** Not determined.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Continued)

• **Vapor Density**	Not determined.
• **Relative Density (Water = 1)**	0.0655-0.665 at 20°C
• **Solubility**	Negligible solubility in water.
• **Partition Coefficient/n-octanol/water**	Not determined.
• **Autoignition Temperature**	Not determined...
• **Decomposition Temperature**	Not determined.
• **Kinematic Viscosity**	Not determined.
• **Particle Characteristics**	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS (including those that result for a foreseeable emergency)

- This product is not self-reactive, water-reactive, or air-reactive.

10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.
- Avoid exposure to heat, sparks, and open flame.
- Avoid exposure to adverse storage conditions.

10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition include oxides of carbon (i.e., carbon monoxide and carbon dioxide), and irritating vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**
  - **PRODUCT TOXICITY DATA:**
    - Acute Toxicity Estimate (Oral): >-2000 mg/kg
    - Acute Toxicity Estimate (Dermal): > 2000 mg/kg
  - **COMPONENT TOXICOLOGY DATA:** The following data are available for components of this product.

    HEXANE
    LD50 Oral - Rat - male and female - 16,000 mg/kg
    LC50 Inhalation - Rat - 4 h - 172 mg/l
    LD50 Dermal - Rabbit - male - > 2,000 mg/kg
  - **DEGREE OF IRRITATION:** This product can cause serious skin irritation. Refer to Section 4 (First Aid Measures) for additional information.
  - **SENSITIZATION:** No component of the product is reported to be a skin or respiratory sensitizer.
- **CHRONIC TOXICITY:**
  - **CARCINOGENICITY STATUS:** The components of this product are not listed as carcinogens by IARC, NTP or OSHA
  - **REPRODUCTIVE TOXICITY INFORMATION:** Hexane is suspected of being toxic to reproduction.
  - **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.

SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Central nervous system.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Prolonged or repeated exposure can cause adverse effects on the central nervous system, due to the presence of hexane.
- **ASPIRATION HAZARD:** Hexane is reported to be a hazard via aspiration.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

- The product is rated as: Aquatic Toxicity: Aquatic Toxicity (Acute), Category 2 Aquatic Toxicity (Chronic), Category 2: Toxic to aquatic life with long-lasting effects.
- The following data is available to components of this product:
  - **HEXANE:** Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 2.5 mg/l - 96 hours. Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 2.1 mg/l - 48 hours.

12.2 PERSISTENCE AND DEGRADABILITY

- No data available.

12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

12.4 MOBILITY IN SOIL

- No data available.

12.5 OTHER ADVERSE EFFECTS

- None reported.

SECTION 13: DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS:

- **Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- **Contaminated packaging**: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

13.2 DISPOSAL CONSIDERATIONS

- **EPA RCRA WASTE CODE:** D001, applicable to wastes consisting only of this product.

SECTION 14: TRANSPORT INFORMATION

14.1 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

- **US DOT HAZARDOUS MATERIALS TRANSPORTATION INFORMATION**:

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
UN 1993	Flammable liquids, n.o.s., (Solvent Mixture)	II	3		128	Not Applicable

- **CANADIAN TRANSPORTATION INFORMATION**: This product is regulated by Transport Canada as dangerous goods under Canadian transportation standards. Refer to above information.
- **IATA DESIGNATION**: This product is regulated as dangerous goods by the International Air Transport Association. Refer to information in table above.
- **IMO DESIGNATION**: This product is regulated as dangerous goods by the International Maritime Organization. Refer to information in table above

SECTION 14: TRANSPORT INFORMATION (Continued)

14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

14.4 TRANSPORT IN BULK

- Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

- **OTHER IMPORTANT U.S. REGULATIONS**
  - **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** Flammable liquids; Skin Corrosion/Irritation; Reproductive Toxicity; Aspiration Hazard; Specific Target Organ Toxicity – Single/Repeated Exposure.
  - **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Hexane = 5000 lb.
  - **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
  - **U.S. SARA 313:** Hexane is subject to the reporting requirements under SARA Title III Section 313.
  - **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:**

WARNING: This product can expose you to n-Hexane, a chemical known to the state of California to cause birth defects, and other reproductive harm. For more information, go to **www.p65Warnings.ca.gov**

  - **OTHER LISTS:**
    - **HEXANE:** CAA HAP,ODC: HAP: VHAP; CWA NPDES: No; RTox(M)
    - **TRADE SECRET:** CAA HAP,ODC: No; CWA NPDES: No

- **INTERNATIONAL REGULATIONS**
  - **CANADIAN REGULATORY STATUS: CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Hazardous Products Regulations (SOR-2022-272).
    - WHMIS 2015: See section 2.
    - This SDS contains all the information required by the HPR.
  - **CANADIAN DSL/NDSL INVENTORY STATUS:** The components of this product are on the DSL/NDSL Inventory.
  - **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** The components of this product are not on the CEPA Priority Substances Lists.
  - **CANADA NATIONAL POLLUTANT RELEASE INVENTORY:** Hexane = Group A, Substance Part 5, Individual Substances (Part 4 Substance).

SECTION 16: OTHER INFORMATION

16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** December 11, 2024.
- **SUPERCEDES:** June 7. 2022.
- **CHANGE INDICATED:** Updated to reflect requirements in Hazard Communication Standard 2024.

16.2 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

Health	**2***	*Toxic to Reproduction; Aspiration Hazard; Specific Target Organ Toxicity
Flammability	**3**	
Physical Hazard	**0**	HMIS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves, if splashes/sprays can be generated.
Protective Equipment	**B**	

SECTION 16: OTHER INFORMATION (Continued)

16.3 DISCLAIMER

THE INFORMATION CONTAINED HEREIN is based upon available information at the time of preparation and is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that the information is current, applicable, and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or any other user proximately caused by the material if misused or if reasonable safety procedures are not adhered to as stipulated in the data sheet and on the product label. Furthermore, vendor assumes no responsibility for injury or damage caused by abnormal use of this material even if reasonable safety measures are followed.

16.4 ABBREVIATIONS AND ACRONYMS

ALL SECTIONS: OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances.

SECTION 3: CAS Number: Chemical Abstract Service Number, which is used by the American Chemical Society to uniquely identify a chemical.

SECTION 5: NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (Fl.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: Fl.P. below 73°F and BP below 100°F. Class IB: Fl.P. below 73°F and BP at or above 100°F. Class IC: Fl.P. at or above 73°F and BP at or above 100°F. Class II: Fl.P. at or above 100°F and below 140°F. Class IIIA: Fl.P. at or above 140°F and below 200°F. Class IIIB: Fl.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

SECTION 8: NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour workday); STEL: Short-Term Exposure Limit (15-minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit. ppm: Parts per Million. mg/m^3: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. CA: California - TABLE AC-1 Permissible Exposure Limits for Airborne Contaminants

SECTION 9: pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs. LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition. ≈: Approximately symbol. VOC: Volatile Organic Compound.

SECTION 11: CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LD*xx* or LC*xx*: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (*xx*) of exposed test animals by the designate route of administration. This value is used to assess the toxicity of chemical substances to humans. TD*xx* or TC*xx*: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (*xx*) of exposed test animals by the designate route of administration.

SECTION 12: EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. COD: Chemical Oxygen Demand. ThOD: Theoretical Oxygen Demand. TLM: Median Tolerance Limit.

SECTION 13: RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

SECTION 15: CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

SECTION 16: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.