MATERIAL SAFETY DATA SHEET

RED RELIEF "Part B" Date Prepared: 6/20/2000

SECTION 1 – MATERIAL AND MANUFACTURER IDENTIFICATION

Product Identifier: Red Relief Part B
Product Use: Food dye stain remover (Synthetic Red Dye #5)

MANUFACTURER
CTI (Chemical Technologies International Inc.)
P.O. Box 968
Rancho Cordova, CA 95741
Phone: (916) 638-1315 Fax: (916) 638-0712
Emergency Assistance Calls: Chemtrec (800) 424-9300 (U.S.A.) 24hrs.

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #
1. Trade Secret	N/A

(SEE SECTION 8 FOR EXPOSURE GUIDELINES)

SECTION 3 – Hazards Identification

Emergency Overview
Clear liquid with strong odor.
Irritating to respiratory and digestive tract, eyes and skin, harmful if swallowed.

Potential Health Effects
Routes of entry: (skin: yes) (inhalation: yes) (ingestion: yes) (eye: yes)

Inhalation:
Inhalation will cause irritation of the respiratory tract.
Eye Contact:
Vapors may irritate eyes. Direct or prolonged contact with eyes will be painful and irritating may also cause possible permanent damage.
Skin Contact:
Exposure may cause skin irritation, drying, chapping.
Ingestion:
If swallowed will cause GI irritation.
Other effects: Sensory irritation.

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult , have trained person administer oxygen. If breathing stops administer artificial respiration. Get medical attention immediately.

Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.

Skin Contact: Flush thoroughly with cool water while removing any contaminated clothing and shoes. Wash clothing before reuse. Get medic al attention if irritation persists after washing.
Ingestion: Get medical attention immediately.
Do not induce vomiting. Never give anything by mouth to an unconscious person. Give large quantities of water and if available give several glasses of milk. If vomiting occurs spontaneously, keep airway clear and give more water.

SECTION 5 – Fire Fighting Measures

Flashpoint: 15 deg. C 59 deg F
Flammable Limits: Not Available
Autoignition Temperature: Not Available

General Hazard:
During a fire smoke may contain the original material in addition to toxic and or irritating compounds. Avoid heat sparks or open flame.
Fire Fighting Instructions:
Use dry chemical or CO2 . Use water (only to cool) nearby containers and structures exposed to fire. Direct water stream may spread fire. Keep people away from fire, isolate fire area and deny unnecessary entry.
Fire fighting equipment:
Fire fighters should wear a self contained, positive pressure breathing apparatus and full protective clothing (NICSH/MSHA APPROVED).
Hazardous combustion products:
None Established.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Small Spills: Wipe or mop up and dispose of in DOT approved waste container.
Large Spills: Contain by diking with soil or other non-combustible sorbant material, then dispose into DOT approved waste container. Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Contain all spills or leaks to prevent discharge into the environment. All spills or releases should be reported to the appropriate local, state and federal agencies.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions of method of its use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true but all statements and suggestions are made without any warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of this material and the results to be obtained from the use thereof.

For use by professionals ONLY.
Avoid breathing vapors of this product.

Always ensure good ventilation of surroundings during use of this chemical. Do not use this chemical in a poorly ventilated area.
Always keep container tightly closed and properly labels.
Avoid contact with skin, eyes or clothing.
Wash thoroughly after handling
Loosen closures cautiously.

Storage temperature: Store in cool dry place
Storage pressure: Atmospheric
Avoid excessive heat. Avoid storage with oxidizing or reducing agents, acids.

SECTION 8 – EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS			
OSHA PEL	ACGIH TLV	OTHER LIMIT	HAZARD
Not Established	5mg/m3	Niosh 5mg/m3	See State Listing Section 15

Respiratory: These precautions are not usually necessary in adequately ventilated areas. Wear NIOSH/MSHA approved respirator when ventilation is not adequate. A NIOSH /MSHA –approved air purifying respirator with an organic vapor cartridge or canister may be advisable under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure, air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air-purifying respirators may not provide adequate protection.
Ventilation: Always assure adequate ventilation.
Eye Protection: Wear safety goggles to protect against contact when appropriate.
Skin: Wear protective clothing to minimize skin contact. Wash skin after use. Wash contaminated clothing and dry before reuse.
Other: Emergency shower and eyewash facility of some kind should be in close proximity.
One should always use chemicals with an awareness of the potential hazard of the effect on the human system.
To minimize employee exposure to all chemicals, including this product, use good industrial hygiene practices.

SECTION 9 – Physical and Chemical properties

PH: 11.0
Vapor pressure: not available
Vapor density: not available
Boiling point: not available
Freezing/Melting point: N/A
Solubility in water: soluble
Flammability: not established
Particle size: N/A
Evaporation rate: not available

SECTION 10 – Stability and Reactivity

Chemical Stability: Stable at room temperature and atmospheric pressure. Stable under recommended storage and handling conditions.
Conditions to avoid: Keep away from heat or excessive pressure.
Incompatibility with other materials: Although the mixture has no known incompatibilities, some components of this mixture are not compatible with acids, metals, oxidizing or reducing materials.
Hazardous decomposition products: There are no known hazardous decomposition materials of this mixture; some components of this mixture may liberate oxides of sulfur and sodium.
Hazardous polymerization: Not established

Section 11- Toxicological Information

Toxicological information not available on this mixture, although major component information is given by component number as listed in section 2.

No information established.

Section 12- Ecological Information

Ecological information not established on this mixture. Component # Information

Section 13- Disposal practices

Dispose of all waste, empty bottles and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

Do not dump into storm drains, sanitary sewers or any body of water. All disposal methods must be in compliance with all federal, State/ Province and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The vendor has no control over the management practices or the processes by which the party who handles or uses this material. The information presented here pertains only to the product as shipped in its intended condition and recommended usage.

Section 14- Transport information

Shipping Instructions as shipped are: ORMD/LTD QTY Exemptions Used 173.120(B2), 173.121, 173.150(B&C) LTD QTY & ORM-D
Consult 49 CFR to assure compliance with all applicable federal, state/provincial and local laws and regulations that may apply to you.

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Section 15- Regulatory Information

US Federal Regulations:
OSHA standards require that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, MSDS sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this material safety data sheet (MSDS) available to your employees and those who handle or consume the product.
To aid our customers in complying with regulatory requirements regulatory information for components of this product are indicated below.

This *mixture* has *no established regulatory information* all regulatory information given is based on individual components of the mixture by component number.

CERCLA: 5,000 lbs., **Florida**: This chemical is listed as a toxic substance by the state of Florida. **Massachusetts Haz. Substance** codes 4 F8**, Pennsylvania Haz**. Substance code: E

Section 16- Other Information

All information appearing herin is based upon data obtained from the manufacturer and /or recognized technical sources of each individual component. While the information is believed to be accurate, CTI makes no representations as to its accuracy or sufficiency. Conditions of use are beyond CTI's control and therefore users are responsible to verify this data under their own operating conditions to determine whether this product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance on information contained herin. This information relates only to the product designated herin, and does not relate to its use in combination with any other material or in any other process.

Legend:

References: