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MATERIAL SAFETY DATA SHEET

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SECTION I PRODUCT INFORMATION

MSDS Date: 06/01/06

Supersedes All Previous Publications

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PRODUCT NAME AND SYNONYMS: THF (TETRAHYDROFURAN)

SECTION II COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 ARE IDENTIFIED IN THIS SECTION.

INGREDIENT	PERCENT BY WEIGHT	PEL	OSHA/ACGHI (STEL)	TLV
Tetrahydrofuran	>95	200ppm	250ppm	200ppm
CAS Number:	109-99-9			

SECTION III PHYSICAL DATA

<u>Boiling Point</u>	for PRODUCT	151.00 Deg. F (66.11 Deg. C) @ 760.00 mm Hg
<u>Vapor Pressure</u>	for PRODUCT	143.00 @ 68.00 Deg. F (20.00 Deg. C)
<u>Specific Vapor Density:</u>	AIR=1	2.4
<u>Specific Gravity</u>		.890 @ 68.00 Deg. F (20.00 Deg. C)
<u>Percent Volatiles</u>		100 Percent
<u>Evaporation Rate</u>	(N-Butyl Acetate=1)	8.00

SECTION IV FIRE AND EXPLOSION INFORMATION

Flash Point (TCC): -6.0 Deg. F (-21.1 Deg. C)

Explosive Limit (Product): Lower -2.0 Percent

Extinguishing Media: Regular foam, Carbon Dioxide or Dry Chemical

Hazardous Decomposition Products: May form toxic materials: Caron Dioxide and Carbon Monoxide, various Hydrocarbons, etc.

Firefighting Procedures: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

Special Fire and Explosion Hazards: Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Dry ether readily form explosive peroxides with air.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

All five gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred.

NFPA CODES: Health-2 Flammability-3 Reactivity-0

Product Name: THF (TETRAHYDROFURAN)

=====SECTION V HEALTH HAZARD DATA=====

Permissible Exposure Level: 200ppm
Threshold Limit Value: 200ppm

Effects of ACUTE Overexposure:

EYES: Causes irritation, burns if not removed.
SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation and central nervous system effects, including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

First Aid:

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
INGESTION: Do not induce vomiting. Immediately drink two glasses of water. Never give anything by mouth to an unconscious person. Call Physician or transport to an emergency facility.
INHALATION: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

Primary Route(s) of Entry: Inhalation, Skin Contact

Effects of CHRONIC Overexposure:

Overexposure to this material (or its components) has apparently been found to cause the following effect in laboratory animals: Liver abnormalities, Kidney damage.

=====SECTION VI REACTIVITY DATA=====

Hazardous Polymerization: Can occur-Polymerization can occur in the presence of cationic initiators, such as selected Lewis acids or strong Proton acids.

Stability: Stable-Can form potentially explosive peroxides upon long standing in air.

Incompatibility: Avoid contact with: Strong oxidizing agents.

=====SECTION VII SPILL OR LEAK PROCEDURES=====

Steps to be Taken in Case Material is Released or Spilled:

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to hood. Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate area.

Large Spill: Eliminate all ignition sources (flares, flames, including lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Waste Disposal Method:

Small Spill: Allow volatile portion to evaporate in hood allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.

Large Spill: Destroy by liquid incineration. Contaminated absorbent may be deposited in landfill in accordance with Local, State and Federal Regulations.

=====SECTION VIII PROTECTIVE EQUIPMENT TO BE USED=====

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see Section II) a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA Regulations also permit other NIOSH/MSHA respirators (Negative pressure type) under specified conditions (see your Safety Equipment Supplier). Engineering or Administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical (General and/or local exhaust) ventilation to maintain exposure below TLV(s).

Protective Gloves: Wear resistant gloves, such as polyvinyl alcohol

Eye Protection: Chemical splash goggles in compliance with OSHA Regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your Safety Equipment supplier).

Other Protective Equipment:

To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

=====SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS=====

Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the Data Sheet must be observed.

=====SECTION X PREPARATION INFORMATION=====

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. Prepared By: 2001 Inc.