HURST CHEMICAL COMPANY

Date Prepared: November 1993
Revised: April 2002

MATERIAL SAFETY DATA SHEET

A.B.DICK PRODUCT NUMBERS:
CPA00144
CPA00144-P

I. PRODUCT INFORMATION

Trade Name: Blanket Saver 14
Chemical names, common names: Chlorinated Hydrocarbon Base Mixture
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2500 San Fernando Rd. Los Angeles, CA 90065
DOT CLASSIFICATION: Dichloromethane Mixture, 6.1, UN 1593, PG III , "Ltd Qty"
For Product Information, call : (323) 223-4121
FOR EMERGENCY, CALL CHEMTREC, 24 HOUR: 800 424-9300

II. HAZARDOUS INGREDIENTS

		Exposure Limits in Air	
Chemical Names	CAS Number	ACGIH (TWA)	OSHA (PEL)
Methylene chloride *	75-09-2	50 ppm	25 ppm
Toluene	108-88-3	100 ppm	100 ppm
Methanol	67-56-1	200 ppm	200 ppm
Ethylene Alcohol	107-21-1	50 ppm	50 ppm ceil.

***Note:** OSHA has reduced the Permisible Exposure Limit (PEL) to 25ppm (part per million) as an 8-hour Time Weighted Average (TWA), the previous PEL was 500ppm.
Short Term Exposure Limit (STEL) for methylene chloride is 125ppm.

Section IIA - This product contains the following chemicals subject to reporting requirements of SARA 313 and 40 CFR 372.

Listed Ingredients	CAS Number	Weight % Range
Methylene Dichloride	75-09-2	70-76%
Toluene	108-88-3	6-8%
Methanol	67-56-1	7-9%
Ethylene Alcohol	107-21-1	2-4%

WARNING: This product contains a chemical (Toluene) known to the State of California to cause birth defects or other reproductive harm.
WARNING: This product contains a chemical (Methylene Chloride) known to the State of California to cause cancer.

III. PHYSICAL PROPERTIES

Vapor density (air = 1): >1 — Specific Gravity: 1.18 — Density lb/gal: 9.84
Solubility in water: < 1% — VOC Composite Partial Pressure, mm Hg at 20°C:21.00
Evaporation rate (Bu Ac = 1): N/A — Boiling Range °F: 104-388
Appearance and odor: Green Gel with mild Chlorinated Hydrocarbon odor
Photochemical Reactivity Rule-102: Non-Photechemically Reactive
Volatile Organic Content (VOC.EPA Method 24): 247 gm/l or 2.1 lb/gal

IV. FIRE AND EXPLOSION

	HAZARD RANKING		
HMIS	Health Hazard=3*	0=Least	4=Extreme
HAZARD	Flammability=2	1=Slight	
CLASS	Reactivity= 0	2=Moderate	
	Other = Goggles	3 = High	

* = Long term Chronic health effect.

Flash Point °F: 104 TCC

Fire extinguishing materials: No water spray Yes carbon dioxide Yes foam
Yes dry chemical No other

Special firefighting procedures: The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water it's used for cooling purposes.

Unusual fire and explosion hazards: Blends containing chlorinated products may exhibit reduced flash point as the more volatile chlorinate evaporates. Contact with Aluminum parts in a pressurizable fluid system may cause violent reactions.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE -

Inhaled: While this material has a low degree of Toxicity, Breathing high concentration of vapors or mists may cause irritation of the nose and throat, signs of nervous system depression. Prolonged or repeated exposure to vapor or mists may cause visual disturbances. (including blindness). Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

Contact with skin or eyes: This product may cause skin and eye irritation. Direct and prolonged contact may cause stinging, tearing and redness of eyes, burning, drying and cracking of skin. Contact may result in skin absorption. But symptoms of toxicity are not anticipated by this route alone.

Swallowed:This material is toxic and may be harmful if swallowed. Symptoms of toxicity include irritation of the digestive tract, vomiting, signs of nervous system, depression, abdominal pain, Visual disturbances. (including blindness), convulsions, coma, death.

HEALTH EFFECTS OR RISKS FROM EXPOSURE -

Acute: This product may cause eye, skin & digestive tract irritation, central nervous system depression.

Chronic: Visual disturbances (including blindness), Brain damage, convulsions and death.

FIRST AID: EMERGENCY PROCEDURES -

Eye Contact: Move victim away from exposure and into fresh air. For direct contact, hold eyelids apart and flush affected eye(s) with clean water for 15 minutes seek medical attention.

Skin Contact: Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with soap and water. If irruption or redness develops and persists, seek medical attention.

Inhaled: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing give artificial respiration.

Swallowed: Seek emergency medical attention. This material is toxic and an aspiration hazard. If victim is conscious, vomiting should be induced for ingestions of large amounts (more than 5 ounces) preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing 2 fingers in the back of the throat. Do not leave victim unattended.

COMMENTS: Methylene chloride is a possible human cancer hazard based on tests with Laboratory animals and has been identified as a possible carcinogen by IARC. Methylene chloride forms carbon monoxide in the body and may interfere with normal blood function if exposure to high concentrations occurs.Toluene in this product can cause irreversible changes in the genetic material (DNA) of a cell. Intentional misuse by deliberate inhalation of Toluene has been shown to cause Liver, Kidney and brain damage. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

VI. REACTIVITY DATA

Stability: Stable under ordinary use and storage.

Incompatibility (materials to avoid): Avoid contact with oxygen, nitrogen peroxide, oxidizers, reactive metals (eg. Aluminum, potassium, sodium etc.), Incompatible with strong acids or bases, oxidizing agents and selected amines.

Hazardous Decomposition products (including combustion products): Carbon monoxide/ carbon dioxide, phosgene and/or hydrogen chloride.

Hazardous polymerization: Will not occur under ordinary use and storage.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition away from spill. A universal type foam may be used to suppress vapors. Keep out of drains, sewers, or waterways, Use sand or other inert material to dam and contain spill. Do not flush area with water: use absorbent pads., Contact fire authorities and appropriate

federal, state or local agencies. If spill in excess of EPA Reportable quantity is made into the environment, immediately notify the National Response Center. 1 800-424-8802 (Methylene chloride) DOT/CERCLA reportable quantity. 1,333.33 LBS. Preparing wastes for disposal: Dispose of product in accordance with Local, County, State and Federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain. Airborne concentrations below established exposure limits (See II) additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, systems safe for such location should be used.
Respiratory Protection: If airborne concentrations exceed established exposure limits, use a supplied air respirator.
Eye Protection: Use safety goggles where solvent splashes are expected.
Gloves: The use of gloves impermeable to the specific material handled is advisable to prevent skin contact and possible irritation.
Other clothing and equipment: Eye wash and quick drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.
Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees on special handling procedures prior to working with this product.

OTHER HANDLING AND STORAGE REQUIREMENTS:

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice.

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