HURST *CHEMICAL COMPANY*

Date Prepared: November 1993
Revised: December 2008

MATERIAL SAFETY DATA SHEET

I. PRODUCT INFORMATION

Trade Name: NO 14 Blanket Saver
Chemical names, common names: Complex hydrocarbon based solution
Manufacturer's Name: Hurst Chemical Company.
Address: 231 W. Pedregosa St. , Santa Barbara, CA 93101
For Product Information, call: (800) 723-2004
For Emergency, Call CHEMTREC, 24 Hour: (800) 424-9300 DOT Information:
Dichloromethane Mixture, 6.1,
UN 1593, PG III, "Ltd Qty"

II. HAZARDOUS INGREDIENTS

CAS	Chemical	ACGIH TLV (ppm)	OSHA PEL (ppm)	OSHA IDLH (ppm)	Oral Rat LD50 (mg/kg)	Weight Percent Range
75-09-2	Dichloromethane	50, A3	500	5000	2100	65-85%
75-56-9	Epoxypropane, 1,2-	20, A3	100	2000	947	1-2%
108-88-3	Toluene	50, A4*	200	2000	5000	7-9%
8002-74-2	Paraffin	2	--	--	--	1-2%
67-56-1	Methyl Alcohol	200*	200	25000	--	8-10%
56-81-5	Glycerin	2.4	3.7,1.2	--	12600	1-2%
107-21-1	Ethylene Glycol	--	--	--	4700	3-5%

* Skin

- Dichloromethane is classified by IARC (Group 2B) and USEPA (Class B2) as causing cancer in animals. NTP classifies dichloromethane as a suspected human carcinogen.
- 1, 2- Epoxypropane is classified by IARC (Group 2B) and USEPA (Class B2) as causing cancer in animals. NTP classifies dichloromethane as a suspected human carcinogen.
- Dichloromethane is listed by California Proposition 65 as a chemical known to cause cancer in humans by the state of California.
- 1,2- Epoxypropane is listed by California Proposition 65 as a chemical known to cause cancer in humans by the state of California
- Toluene is listed by California Proposition 65 as a chemical known to cause developmental defects in humans by the state of California.

Section IIA -This product contains the following chemicals listed in the subject regulations:

CAS	Chemical	302	304	CERCLA	355	313	RCRA	CAA212	CAA602	CWA	HAP	Prop65
75-09-2	Dichloromethane	No	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
75-56-9	Epoxypropane, 1,2-	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes
108-88-3	Toluene	No	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
67-56-1	Methyl Alcohol	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No
107-21-1	Ethylene Glycol	No	No	Yes	Yes	Yes	No	No	No	No	Yes	No

302	Section 302 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
304	Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act ("SUPERFUND")
355	The List of Extremely Hazardous Substances Under SARA
313	Toxic Release Inventory (TRI) Reporting Under SARA
RCRA	Resource Conservation and Recovery Act
CAA212	Clean Air Act Section 212
CAA602	Clean Air Act Section 602
CWA	Clean Water Act
HAP	Hazardous Air Pollutant
Prop65	California Proposition 65

All ingredients are listed under the Toxic Substance Control Act (TSCA).

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: 104-388°F
Appearance and odor: Green Gel with mild Chlorinated Hydrocarbon odor
Photochemical Reactivity Rule-102: Non-Photochemically Reactive
Volatile Organic Content (VOC EPA Method 24): 247 gm/l or 2.1 lb/gal

IV. FIRE AND EXPLOSION

HMIS Health Hazard = 3*
HAZARD Flammability = 2
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4= Extreme
2 = Moderate	

* = Long term chronic health effect.

Other = Goggles

Flash Point: 104°F TCC

Fire extinguishing materials:

Water Spray: No
Carbon Dioxide: Yes
Foam: Yes
Dry Chemical: Yes
Other: No

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: Dichloromethane is a possible human cancer hazard based on tests with Laboratory animals and has been identified as a possible carcinogen by IARC. Dichloromethane 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 (e.g. 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

DOT/CERCLA reportable quantity (lbs):

Chemical	RQ
Ethylene Glycol	5,000
Methanol	5,000
Methylene Chloride	1,000
Propylene Oxide	100
Toluene	1,000

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.

Hurst Chemical Company furnishes Material Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.