



## MATERIAL SAFETY DATA SHEET

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer's Name:** Lancer Group International  
311 Saulteaux Crescent  
Winnipeg, Manitoba,  
Canada R3J 3C7

**Emergency Telephone:** (204) 889-7422

**Trade Name:** Excalibur Thickener

**Codes:** EXC THICKENER

**Chemical Family:** Urea Urethane

**Product Use:** Plastisol Thickener

**CAS #:** See Section II

**WHMIS Classification:** B3 – Combustible Liquids ; D2A D2B

**24 Hour Emergency Number:** (613)996-6666

Use in case of a dangerous goods emergency.

### SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS:	%	TLV (ppm)	CAS
LITHIUM CHLORIDE	2	-	7447-41-6
1-METHYL-2-PYRROLIDONE	48	(10) skin	872-50-4

### SECTION 3. HAZARDS IDENTIFICATION

**Effects Of Overexposure:**

**Inhalation:** None expected, eye: contact will probably cause irritation, skin: contact may cause irritation,

**Ingestion:** Ingestion may irritate the digestive tract.

**Chronic Overexposure:**

Prolonged absorption of lithium chloride may cause injury to the kidney and/or blood. Laboratory test results indicate lithium chloride may be teratogenic. Reproductive and developmental studies in rats exposed to NMP showed effects including reduced fertility (male & female and reduced mean offspring body weight at birth and throughout lactation. Risk is significantly reduced when impervious gloves are used. Inhalation of NMP is not likely unless it is heated or sprayed. Prolonged skin contact with NMP may cause dermatitis.

### SECTION 4. FIRST AID MEASURES

- **Eye Contact:**  
Immediately flush with plenty of water for at least 15 min. Get medical aid.

- **Skin Contact:**  
Remove contaminated clothing. Wash thoroughly with soap & water.
- **Inhalation:** Remove to fresh air. Administer artificial respiration if necessary. Get medical aid as soon as possible.
- **Ingestion:**  
Do not induce vomiting. Dilute with 1-2 glasses of water. Get medical aid. Never give anything by mouth to an unconscious person.

## SECTION 5. FIREFIGHTING MEASURES

### Flammability Properties:

- **Flash Point (Closed Cup) °C:** 91
- **Explosion Limit (% Vol In Air):** LEL = 1.3      UEL = 9.5
- **Auto Ignition Temp, °C:** 245 (SOLVENT)

### Hazardous Combustion Products:

Carbon Mono/Dioxide, Nitrous Oxides, Chlorinated Compounds

### Extinguishing Media:

Foam, Carbon Dioxide Or Dry Chemicals

### Special Fire Fighting Procedures:

Wear full body protective clothing and self-contained breathing apparatus. Water spray may be used to keep fire-exposed containers cool.

### Unusual Fire And Explosion Hazards:

Keep away from heat and flames. Prevent static discharge. Keep away from oxidizing materials. Will not explode upon mechanical impact.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Ventilate area if indoors. Wear self-contained breathing apparatus and full protective clothing. Stop leak. Dike and contain spill. Pump into salvage tanks and/or absorb with suitable material. Use sparkless shovels to remove material.

## SECTION 7. HANDLING AND STORAGE

Harmful if absorbed through skin. Avoid skin and eye contact. Avoid breathing mists or vapors from heated products avoid heat, flame and sources of ignition. Take precautionary measures against static discharge. Handle as an industrial chemical. Keep container tightly closed when not in use. Keep away from strong oxidizing materials. Keep away from strong acids and alkalis

## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Ventilation:** Local exhaust recommended.

**Skin Protection:** Butyl rubber or nitty gritty (r) recommended

**Footwear:** None required

**Clothing:** Clean log legged, long sleeved work clothes

**Eye Protection:**

Safety glasses, goggles recommended

**Respiration Protection:**

Unless Air Monitoring Demonstrated Dust/Mists/Vapors Are Below The Recommended Exposure Levels And/Or Weel, Wear A Properly Fitted Respirator (NIOSH) Or Dust Mask During Exposure.

**Work Practices:**

Use In Accordance With Good Industrial Hygiene And Safety Practices.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance And Odor:** yellow liquid with amine like odor  
**Boiling Range, °C:** 202-205  
**Melting/Freezing Point °C:** Not Available  
**Vapor Pressure (Mm Hg @ 20°C):** < 1 mm Hg (estimated)  
**Vapor Density (Air = 1):** > 1  
**Specific Gravity (Water = 1):** 1.13  
**Solubility In Water:** insoluble  
**pH:** Not Available

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:**  
Stable; polymerization will not occur  
**Incompatibility:**  
Strong oxidizing agents, strong acids/alkalis  
**Conditions Of Reactivity:**  
None known  
**Hazardous Decomposition:** none expected

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicity Data:**  
**LD50 (ORAL, RAT) =** >500mg /Kg (product)  
**SKIN IRRITATION (RABBIT):** slight irritant (product) eye irritant (rabbit): irritant (product) 1-methyl-2-pyrrolidone LD50 (dermal, rabbit) 8000 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

There is no known published data available for this product.

## SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable municipal, provincial and federal regulations. Incineration recommended.

## SECTION 14. TRANSPORT INFORMATION

**SHIPPING:**

- **Canadian TDG Shipping Description:** Not Regulated
- **US DOT Classification:** Not Regulated

## SECTION 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of these products are either on the Toxic Substances Control Act Inventory List or exempt.

**Canadian DSL Inventory List:** All components of these products are either on the Domestic Substances List (DSL), the Non Domestic Substances List (NDSL) or exempt.

## SECTION 16. OTHER INFORMATION

**Disclaimer:** All information presented herein is given in good faith and is based on sources and tests are considered to be reliable but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product as well as to determine the suitability of this product for a specific purpose. We can make no warranty as to the results to be obtained in using the product. Therefore the user must assume all risk.

**Msds Prepared By: Discovery/Lancer Group**

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