

# MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

## SECTION 1. -----CHEMICAL PRODUCT AND COMPANY IDENTIFICATION-----

### IR 775 Tosylate

**CHEMICAL FORMULA:** C39H43CIN2O3S

**CAS NUMBER:** 205744-92-9

**CHEMICAL NAME:** Proprietary

**REVISED:** 10/8/2010

**MANUFACTURER:** Hampford Research, Inc  
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Stratford, CT 06615

**EMERGENCY TELEPHONE NUMBERS:** OFFICE (203) 375-1137  
CHEMTREC (800) 424-9300

## SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
IR DYE 775	205744-92-9	100%	Not established

## SECTION 3. -----HAZARDS IDENTIFICATION-----

**EYES:** Severe eye irritant.

**SKIN:** May cause slight skin irritation.

**SWALLOWING:** Not known

**INHALATION:** Not known

## SECTION 4. -----FIRST AID MEASURES-----

**EYE CONTACT:**  
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**SKIN CONTACT:**  
In case of contact, flush with water followed by washing with soap and water.

**INGESTION:**  
If swallowed, consult a physician.

**INHALATION:**  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

## SECTION 5. -----FIRE FIGHTING MEASURES-----

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Toxic fumes of sulfur and/or nitrogen oxides may be formed in a fire.

**FIRE EXTINGUISHING MEDIA:**  
Water, CO2

**SPECIAL FIREFIGHTING INSTRUCTIONS:**  
Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

# Material Safety Data Sheet

## SECTION 6. -----ACCIDENTAL RELEASE MEASURES-----

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Review fire fighting measures and handling (personnel) sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up. NIOSH approved respirator with an APF of 1000.

### SPILL CLEANUP MEASURES:

Use moist towel or absorbent to collect dust. Place in suitable container and hold for proper disposal.

## SECTION 7. -----HANDLING AND STORAGE-----

### HANDLING AND STORAGE REQUIREMENTS:

Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. NIOSH approved respirator with an APF of 1000. Keep container in a cool place. Keep container in a dark place. Keep container tightly closed. Store in a cool, dry, well-ventilated area away from heat and light.

## SECTION 8. -----PERSONAL PROTECTION/EXPOSURE CONTROLS-----

**EYE/FACE PROTECTION:** Wear safety glasses.

**SKIN PROTECTION:** If there is potential for significant dermal contact, wear appropriate impervious clothing and gloves.

**RESPIRATORY PROTECTION:** Wear self-contained breathing apparatus.

**ENGINEERING CONTROLS:** Use only with adequate ventilation.

## SECTION 9. -----PHYSICAL AND CHEMICAL PROPERTIES-----

**PHYSICAL STATE:** Powder

**MELTING POINT:** 306.7 C

**BOILING POINT:** Not available

**SPECIFIC GRAVITY:** Not available

**APPEARANCE:** Green crystalline solid

**ODOR:** Not available.

**OTHER:**

## SECTION 10. -----STABILITY AND REACTIVITY-----

### INCOMPATIBILITIES:

None reasonable foreseeable.

### HAZARDOUS DECOMPOSITION:

None reasonable foreseeable.

### CHEMICAL STABILITY:

Stable at normal temperatures and storage conditions.

### HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

# Material Safety Data Sheet

## SECTION 11. -----TOXICOLOGICAL INFORMATION-----

### TOXICOLOGICAL EFFECTS:

Not known

## SECTION 12. -----ECOLOGICAL INFORMATION-----

### ECOLOGICAL EFFECTS:

Do not allow release into waterways

## SECTION 13. -----DISPOSAL INFORMATION-----

### WASTE MANAGEMENT PROCEDURES:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State, and local regulations. Consult site hazardous waste coordinator for proper disposal procedures.

## SECTION 14. -----TRANSPORT INFORMATION-----

### TRANSPORTATION INFORMATION:

Not listed by DOT or IATA not considered hazardous for transportation.

### -----DOT (DOMESTIC SURFACE)-----

PROPER SHIPPING NAME: Not listed by DOT

HAZARD CLASS OR DIVISION:

UN / NA NUMBER:

PACKING GROUP:

DOT PRODUCT RQ lbs (kgs):

HAZARD LABEL (s):

HAZARD PLACARD (s):

### -----IMO / IMDG CODE (OCEAN)-----

PROPER SHIPPING NAME: Not listed by IMDG

HAZARD CLASS DIVISION NUMBER:

UN NUMBER:

PACKAGING GROUP:

HAZARD LABEL (s):

HAZARD PLACARD (s):

### -----ICAO / IATA (AIR)-----

PROPER SHIPPING NAME: Not listed by IATA

HAZARD CLASS DIVISION NUMBER:

UN NUMBER:

SUBSIDIARY RISK:

PACKING GROUP:

HAZARD LABEL (s):

RADIOACTIVE?:

PASSENGER AIR - MAX QTY:

PASSENGER PACKING INSTRUCTION:

CARGO AIR - MAX QTY:

CARGO AIR PACKAGING INSTRUCTION:

# Material Safety Data Sheet

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## SECTION 15. -----REGULATORY INFORMATION-----

### REGULATORY INFORMATION:

Not listed on TSCA for research only. Section 5 of the Toxic Substance Control Act (TSCA) provides that a chemical substance, manufactured or imported for commercial purposes, must be listed on the TSCA Chemical Substance Inventory, have completed, Premanufacture Notice (PMN) review by the U.S. Environmental Protection Agency (EPA), or be otherwise exempt. To be eligible for the R&D Exemption, the chemical substance must be manufactured exclusively for research and development purposes and all research must be supervised by a "technically qualified individual," as defined in 40 CFR 720.3(ee). The regulatory requirements of the R&D Exemption are given at 40 CFR 720.36.

## SECTION 16. -----ADDITIONAL INFORMATION-----

### ADDITIONAL INFORMATION:

Do not allow release into waterways

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Hampford Research, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Hampford Research grants permission to make unlimited paper copies for internal use only.