

# SAFETY DATA SHEET

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## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

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**CAS Number:** 68425-47-8 + 111-42-2  
**Product Name:** Thamesamide 110  
**Revision Date:** Mar 16, 2018 **Date Printed:** Mar 19, 2018  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** Thames River Chemical Corp.  
**Address:** 5230 Harvester Road Burlington, ON, CA, L7L 4X4  
**Emergency Phone:** CHEMTREC (800) 424-9300  
**Information Phone Number:** 905-681-5353  
**Fax:** 905-681-5377  
**Product/Recommended Uses:** For laboratory or industrial use only.

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## SECTION 2) HAZARDS IDENTIFICATION

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### Classification

Carcinogenicity - Category 2  
Eye Irritation - Category 2A  
Skin Irritation - Category 2

### Pictograms



### Signal Word

Warning

### Hazard Statements - Health

Suspected of causing cancer.  
Causes serious eye irritation  
Causes skin irritation

### Precautionary Statements - General

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

### Precautionary Statements - Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly/Wash hands thoroughly after handling.

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water and soap.  
Specific treatment (see first-aid on the SDS).  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing. And wash it before reuse.

#### **Precautionary Statements - Storage**

Store locked up.

#### **Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with national, regional and local laws.

#### **Physical Hazards Not Otherwise Classified**

No Data Available

#### **Health Hazards Not Otherwise Classified**

No Data Available

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### **SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>CAS</b>	<b>Chemical Name</b>	<b>% By Weight</b>
0068425-47-8	Amides, soya, N,N-bis(hydroxyethyl)	80% - 90%
0000111-42-2	DIETHANOLAMINE	7.0% - 13.0%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

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### **SECTION 4) FIRST-AID MEASURES**

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#### **Inhalation**

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

#### **Eye Contact**

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes or until medical aid is available. If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. Get medical attention.

#### **Skin Contact**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.  
Wash contaminated clothing before re-use or discard.

#### **Ingestion**

Do NOT induce vomiting. Do not give anything to an unconscious person. If conscious wash mouth out and then give 1 – 2 glasses of water to drink. Get medical aid. Vomiting may occur spontaneously; lay victim on side to avoid aspiration of swallowed product.

#### **Most Important Symptoms and Effects, Both Acute and Delayed**

No Data Available

#### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

No Data Available

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### **SECTION 5) FIRE-FIGHTING MEASURES**

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#### **Suitable Extinguishing Media**

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire: Water spray, fog or alcohol-resistant foam.

#### **Unsuitable Extinguishing Media**

Do not use straight stream of water.

### **Specific Hazards in Case of Fire**

Fire will produce irritating gases.

### **Fire-fighting Procedures**

Isolate immediate hazard area and keep unauthorized personnel out. Move undamaged containers from immediate hazard area if it can be done safely.

### **Special Protective Actions**

Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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## **SECTION 6) ACCIDENTAL RELEASE MEASURES**

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### **Emergency Procedure**

Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ventilate closed spaces before entering.

### **Recommended Equipment**

Wear chemical protective clothing.

### **Personal Precautions**

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing.

### **Environmental Precautions**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Dike far ahead of liquid spill for later disposal.

### **Methods and Materials for Containment and Cleaning up**

Absorb Liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal.

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## **SECTION 7) HANDLING AND STORAGE**

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### **General**

Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. All containers must be properly labelled.

### **Ventilation Requirements**

Use only with adequate ventilation to control air contaminants to their exposure limits.

### **Storage Room Requirements**

Store in dry, cool areas, out of direct sunlight and away from other sources of heat. Empty container retain residue and may be dangerous. Frozen material can be thawed in a warm area. Vent drums while warming.

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## **SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **Eye protection**

Wear indirect-vent, impact and splash resistant goggles when working with liquids

### **Skin Protection**

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory Protection**

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	CANsmg	CANsppm	CANtmg	CANtppm	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA Carcinogen	OSHA Tables (Z1, Z2, Z3)	OSHA Skin designation	ACGIH STEL (mg/m3)
DIETHANOLAMINE	26	6	13	3								

Chemical Name	ACGIH STEL (ppm)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH TLV Basis	ACGIH Carcinogen	ACGIH Notations
DIETHANOLAMINE		1 (IFV)		Liver & kidney dam	A3	Skin; A3

(IFV) - Inhalable fraction and vapor, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, dam - Damage

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## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and Chemical Properties

Density	8.38 lb/gal
Specific Gravity	1.00
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Appearance	clear yellow viscous liquid
Odor Description	mild amine
Odor Threshold	N/A
pH	10 (solution at 1%)
Melting/Freezing Point	0 °C
Low Boiling Point	N/A
High Boiling Point	N/A
Flash Point	>100°C
Vapor Pressure	No Data Available
Vapor Density	No Data Available
Evaporation Rate	No Data Available
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Water Solubility	soluble
Coefficient Water/Oil	No Data Available
Viscosity	50 cP

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## SECTION 10) STABILITY AND REACTIVITY

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### Reactivity

No Data Available

### Stability

Stable under normal storage and handling conditions.

### Conditions to Avoid

Heat, flames and sparks.

### Hazardous Reactions/Polymerization

Hazardous polymerization will not occur.

**Incompatible Materials**

Strong bases, acids, oxidizing and reducing agents.

**Hazardous Decomposition Products**

Oxides of nitrogen and carbon.

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**SECTION 11) TOXICOLOGICAL INFORMATION**

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**Likely Route of Exposure**

Inhalation, ingestion, skin absorption

**Acute Toxicity**

Diethanolamine: LD50 Oral (rat): 620 mL/kg  
LD50 Dermal (rabbit): 7.46 mL/kg

**Aspiration Hazard**

No Data Available

**Carcinogenicity**

Suspected of causing cancer.

**Germ Cell Mutagenicity**

No Data Available

**Reproductive Toxicity**

No Data Available

**Respiratory/Skin Sensitization**

No Data Available

**Serious Eye Damage/Irritation**

Causes serious eye irritation

**Skin Corrosion/Irritation**

Causes skin irritation

**Specific Target Organ Toxicity - Repeated Exposure**

No Data Available

**Specific Target Organ Toxicity - Single Exposure**

No Data Available

0000111-42-2 DIETHANOLAMINE

LD50 (oral, rat): Values have been reported ranging from 710-3540 mg/kg(1,2,3,4,5)  
LD50 (oral, mouse): 3300 mg/kg (1)  
LD50 (oral, guinea pig): 2000 mg/kg (1)  
LD50 (dermal, rabbit): 12200 mg/kg (unverifiable; this value seems inappropriately high; see

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**SECTION 12) ECOLOGICAL INFORMATION**

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**Toxicity**

LC50 (fathead minnow):1460 mg/l 96 hr static  
EC50 (daphnia magna): 55 mg/l 48hr static  
ErC50 (green algae): 2.2 mg/l 96hr growth rate inhibition

**Mobility in Soil**

No Data Available

**Bio-accumulative Potential**

No Data Available

**Persistence and Degradability**

This product is expected to be readily biodegradeable.

**Other Adverse Effects**

No Data Available

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**SECTION 13) DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, provincial and local laws.

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**SECTION 14) TRANSPORT INFORMATION**

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**Transport Canada Information**

UN number: Not Regulated

Hazard class: N/A

Proper shipping name: N/A

Packaging group: N/A

**U.S. DOT Information**

(Regulated when RQ is exceeded – approx 450 kg)

Proper shipping name: environmentally hazardous substance, liquid, N.O.S. (diethanolamine)

Packaging group: III

Hazard class: 9

UN number: UN-3082

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**SECTION 15) REGULATORY INFORMATION**

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CAS	Chemical Name	% By Weight	Regulation List
0068425-47-8	Amides, soya, N,N-bis (hydroxyethyl)	80% - 90%	DSL, TSCA
0000111-42-2	DIETHANOLAMINE	7.0% - 13.0%	DSL, TSCA, CA_Prop65 - California Proposition 65, EU_EC_Inventory - EC Inventory

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**SECTION 16) OTHER INFORMATION**

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**Glossary**

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CANsmg or CANspmm - Canadian Short Term Exposure Level in mg/L or in ppm; CANTmg or CANTppm - Canadian Time Weighted Average in mg/L or in ppm; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community

Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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First Edition.

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