

Product name: PROCURE® 480SC

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	PROCURE® 480SC
Chemical name:	[1-[1[[4chloro-2-(trifluormethyl)phenyl]imino]-2-propoxyethyl]-1 H imidazole

Supplier: Crompton Corporation
199 Benson Road
Middlebury, CT 06749, USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300
Crompton Corporation Emergency Response (24 hours)
800-292-5898

For MSDS, Product Safety, or regulatory inquiries, call: 866-430-2775

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
Triflumizole	68694-11-1	<= 43.0 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**WARNING!**

HARMFUL IF SWALLOWED.

HARMFUL BY INHALATION.

HARMFUL IF ABSORBED THROUGH SKIN.

MAY CAUSE SKIN SENSITIZATION.

4. FIRST AID MEASURES

Swallowing

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

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Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Autoignition temperature: Not determined

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus.

Extinguishing media

Suitable: Large fires:
- alcohol-type foam or universal-type foams
Small fires:
- CO2
- dry chemical

Unsuitable: - water jets

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment. Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Observe government regulations.

Small spills Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.

Large spills Dike to contain spill.
Pump excess material into suitable container (metal drums, metal tank, or such).

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7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Keep container closed. Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection

Self-contained breathing apparatus in high vapor concentrations.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

Other protective equipment

Eye bath

Safety shower

ENGINEERING CONTROLS

Ventilation

Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

EXPOSURE LIMITS

No exposure limits have been established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	White
Odor	Mild

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Odor threshold No data available.**OTHER PROPERTIES****Boiling point** Not determined**Melting point** Not applicable.**pH** 7.3**Specific gravity (H₂O=1)** 1.15**Vapor pressure** Not determined**Solubility in water** Soluble**Solubility in organic solvents** No data available.**Partitioning coefficient** Not determined**Flash point** Not determined**Autoignition temperature** Not determined

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.**Stability - Conditions to avoid**

None known.

Hazardous combustion products

Oxides of carbon.

Oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

<u>Component toxicology</u> Triflumizole Acute toxicity - Swallowing:	LD50 - Rat Result: 2,230 mg/kg
<u>Component toxicology</u> Triflumizole Chronic toxicity - Swallowing:	Remark: No evidence of harmful effects from available information.
<u>Component toxicology</u> Triflumizole Acute toxicity - Skin absorption:	LD50 - Rabbit Result: 2,000 mg/kg

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<u>Component toxicology</u> Triflumizole Acute toxicity - Inhalation:	LC50 - Rat Result: 5.3 mg/l
<u>Component toxicology</u> Triflumizole Skin irritation - Skin contact:	Species: Rabbit Result: Non irritating.
<u>Component toxicology</u> Triflumizole Eye irritation - Eye contact:	Species: Rabbit Result: Severe irritation
<u>Component toxicology</u> Triflumizole <u>Test results</u> - Sensitization:	Species: - Guinea pigs Result: sensitizing

12. ECOLOGICAL INFORMATION

<u>Component ecotoxicology</u> Triflumizole <u>Acute toxicity fish:</u>	- LC50 - Rainbow trout Result: 0.58 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Triflumizole <u>Acute toxicity fish:</u>	- LC50 - Cyprinus carpio Result: 0.90 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Triflumizole <u>Acute toxicity fish:</u>	- LC50 - Bluegill Result: 1.2 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Triflumizole <u>Acute toxicity to aquatic invertebrates:</u>	- LC50 - Daphnia magna Result: 2.0 mg/l Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations. Avoid discharge to sewers and natural waters.

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Non-cleaned packages

Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed.
Containers that cannot be cleaned must be treated as waste.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated by ground or rail if shipped or transported in containers less than 450 liters.

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Class: 9

UN ID #: UN3082

Packing group:	III
marine pollutant:	MARINE POLLUTANT

Not regulated by ground or rail if shipped or transported in containers less than 450 liters.

IMDG Classification

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Class: 9

Subsidiary risk: marine pollutant

UN ID #: UN 3082

Packing group: III

ICAO Classification

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

Class: 9

UN ID #: UN 3082

Packing group: III

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Massachusetts Right-To-Know Substance List (MSL)--Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

Product name: PROCURE® 480SC**Chemical name**

1,2-Propanediol

CAS#

57-55-6

Max weight %

<= 10.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

For New Jersey Worker and Community Right-To-Know Act (Labeling Requirements) information please contact the Product Safety and Regulatory Affairs Department of the Crompton Corporation.

EPA Hazard Categories (SARA 311, 312): Immediate Health Hazard**California Proposition 65**

**** NONE ****

FDA**Food contact**

No data available.

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS

NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand)
CONSULT REGULATORY SPECIALIST.

HMIS RATING

Health: 2	Flammability: 0	Reactivity: 0	PPI: X
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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The opinions expressed herein are those of qualified experts within Crompton Corporation. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and



MATERIAL SAFETY DATA SHEET

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of these opinions and the conditions of use of this product are not within the control of Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.