

Material Safety Data Sheet

1. Product and company identification

Product name : JEFFAMINE® T 403 MSDS # 00010045

Product Use : Component of a Polyurethane System

Huntsman Petrochemical Corporation
P.O. Box 4980
The Woodlands, TX 77387-4980

TELEPHONE NUMBERS

Transportation Emergency

Company: (800) 328-8501

CHEMTREC: (800) 424-9300

Medical Emergency: (409) 722-9673 (24 Hour)

General MSDS Assistance: (281) 719-6000

Technical Information: (281) 719-7780

E-MAIL: MSDS@huntsman.com

Validation date : 3/18/2008.

In Case of Emergency

Spills Leaks Fire or Exposure Call Chemtrec: (800) 424-9300

Medical Emergency Information: (800) 328-8501

In Mexico: 01 800 00 214 00

2. Hazards identification

Physical state : Liquid.

Odor : Ammoniacal.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : DANGER !

CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED. CAUSES RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Toxic if swallowed. Corrosive to eyes and skin. Causes burns. Harmful in contact with skin. Irritating to respiratory system. Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. May cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

GENERAL INFORMATION : Read the entire MSDS for a more thorough evaluation of the hazards.

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Polyoxypropylene triamine	39423-51-3	60 - 100

4 . First aid measures

Eye contact	Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Skin contact	Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	Get medical attention immediately. Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion	Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person.
Notes to physician	: Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

Fire-fighting measures

Products of combustion	Decomposition products may include the following materials: carbon oxides nitrogen oxides
Extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Special protective equipment for fire-fighters	In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus q atus q atus q atus q atus q atus q aeng.

9. Physical and chemical properties

General information

Appearance

Physical state	: Liquid.
Color	: Colorless.
Odor	: Ammoniacal.
Odor threshold	: Not available.

Important health, safety and environmental information

pH	: 11.6
Boiling point	: Not available.
Melting point	: Not available.
Flash point	: Closed cup: 196°C (384.8°F)
Oxidizing properties	: Not available.
Vapor pressure	: Not available.
Relative density	: 0.98
Octanol/water partition coefficient	: Not available.
Viscosity	: Kinematic: 0.72 cm ² /s (72 cSt at 25°C)
Vapor density	: >1 [Air = 1]
VOC content	: <1% by ASTM D 2369

Stability and reactivity

The product is stable.

Reactive or incompatible with the following materials: acids.

Will not occur.

JEFFAMINE® T 403

11 . Toxicological information

[Teratogenicity](#) : No known significant effects or critical hazards.

[Developmental effects](#) : No known significant effects or critical hazards.

[Fertility effects](#) : No known significant effects or critical hazards.

12 . Ecological information

Aquatic ecotoxicity

<u>Product/ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Polyoxypropylene triamine	-	Acute LC50 >100 mg/L	Fish	96 hours


<u>Product/ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Polyoxypropylene triamine	-	-	Not readily

[Environmental effects](#) : Not readily biodegradable.

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JEFFAMINE® T 403

14 . Transport information

IATA-DGR Class	UN2922	Corrosive liquid, toxic, n.o.s.	8 (6.1)	III		-
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(Polyoxypropylene
triamine)



PG* : Packing group

Regulatory information

Toxic material
Corrosive material

[U.S. Federal regulations](#)

[WHMIS \(Canada\)](#)

16 . Other information

[Date of issue](#) : 3/18/2008.

[Date of previous issue](#) : No previous validation.

[Notice to reader](#)

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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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