

Safety Data Sheet

Revision: 04/28/2014

Hazard information is provided for compliance with both the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME:
TFA

PRODUCT CODE:
TFA101

SUPPLIER:

Anatrace Products, LLC. 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600
Please visit our website at for contact information on Anatrace product distributors within your area.

Emergency Contact:

Chemtrec (800) 424-9300
Outside USA & Canada (703) 527- 3887
Chemtrec ID# 696910

HAZARDS IDENTIFICATION

GHS

LABEL ELEMENTS

Hazard statements

H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H333: May be harmful if inhaled
H335: May cause respiratory irritation

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+ P311 If experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

CHIP

R & S phrases

R:42/43 May cause sensitization by inhalation and skin contact.
R:36/37/38 May be irritating to eyes, respiratory system and skin. S:22 Do not breathe dust.
S:24 Avoid contact with skin.
S:36/37 Wear suitable protective clothing and gloves

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARD
TFA

CAS NO.
1257127-64-2

EC NO:
NA

%WT
~100%

SYNONYMS
NA

FIRST-AID MEASURES

If swallowed:

Wash out mouth with water provided person is conscious. Call a Physician.

In case of skin contact:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a Physician.

If inhaled:

Remove to fresh air. If breathing becomes difficult, call a Physician.

In case of contact with eyes:

Flush with copious amounts of water for at least 15 minutes.
Assure adequate flushing by separating the eyelids with fingers. Call a Physician.

FIRE-FIGHTING INFORMATION

Extinguishing media:

Water spray. Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Special fire fighting procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled:

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Sweep up, place in a bag and hold for waste disposal.
Avoid raising dust.
Ventilate area and wash spill site after material pickup is complete.

HANDLING AND STORAGE

Refer to "Personal Protection" section.

PERSONAL PROTECTION

Wear appropriate NIOSH/MSHA-approved respirator, chemical- resistant gloves, safety goggles, other protective clothing.
Safety shower and eye bath.
Mechanical exhaust required.
Irritating to eyes, respiratory system and skin.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing.
Keep container closed.
Use with adequate ventilation.
Store in a cool dry place.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid
Vapor Pressure: No data available
Solubility (Water): $\geq 5\%$ @ 20°C
Percent Volatile: No data available
Chemical Formula: $C_{101}H_{170}N_2O_{46}$

Boiling Point: No data available
Vapor Density: No data available
Specific Gravity: No data available
Evaporation Rate: No data available
Melting Point: No data available

STABILITY AND REACTIVITY

Stability:
Stable.
Incompatibilities:
Strong oxidizing agents
Hazardous combustion or decomposition products
Toxic fumes of: Carbon monoxide, carbon dioxide
Hazardous polymerization:
Will not occur.

TOXOLOGICAL INFORMATION

Acute effects:
May be harmful by inhalation, ingestion, or skin absorption.
Causes eye and skin irritation.
Material is irritating to mucous membranes and upper respiratory tract.

The toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

No data available.

DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

TRANSPORTATION INFORMATION

Observe all Federal, State, and Local laws.

REGULATORY INFORMATION

Observe all Federal, State, and Local laws.

This data sheet is based upon information believed to be reliable. The Company makes no statement or warranty as to the accuracy or completeness of the information contained herein which is offered for your consideration, investigation and verification. Any use of the information contained in this data sheet must be determined by the user to be in accordance with appropriate applicable regulations.