

# Safety Data Sheet Revision Date: 12/05/18

https://helixchrom.com/

2 Letter ISO country code/language code: US/EN

#### 1. IDENTIFICATION

Catalog Number / Product Name: HC-BIS3-10/ MSTFA (Biodiesel Internal Standard 3)

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**Revision Number:** 

Intended use: For Laboratory use only

## 2. HAZARD(S)IDENTIFICATION

#### **Emergency Overview:**





**GHS Hazard** Symbols:

**GHS** Skin Corrosion/Irritation Category 2

Classification: Serious Eye Damage/Eye Irritation Category 2A

Flammable Liquid Category 3

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

**GHS Signal** 

Word:

Warning **GHS Hazard:** Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation. May cause respiratory irritation.

**GHS** 

**Precautions:** 

Safety Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Precautions: Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilation and lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

First Aid IF ON SKIN: Wash with plenty of soap and water.

Measures: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment see section 4.

If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

In case of fire: Use extinguishing media in section 5 for extinction.

**Storage:** Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

**Disposal:** Dispose of contents/container according to section 13 of the SDS.

Single

Repeated

No data available

Exposure Target Organs:

No data available

Exposure Target Organs:

## 3. COMPOSITION / INFORMATION ON INGREDIENT

| Chemical Name                      | CAS#       | EINEC #   | % Composition |
|------------------------------------|------------|-----------|---------------|
| N-Methyl-N-                        | 24589-78-4 | 246-331-6 | 100           |
| (trimethylsilyl)trifluoroacetamide |            |           |               |

#### 4. FIRST-AID MEASURES

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not

breathing, give artificial respiration and have a trained individual administer oxygen. Get

medical attention immediately

**Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to

prevent chemical from transferring to the uncontaminated eye. Get immediate medical

attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical

attention if irritation develops or persists.

**Ingestion:** Do not induce vomiting and seek medical attention immediately. Drink two glasses of water

or milk to dilute. Provide medical care provider with this SDS.

#### 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray

when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.

Fire and/or Explosion Hazards: No dat

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained

breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous

vapors and decomposition products.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions and Equipment:** Exposure to the spilled material may be irritating or harmful. Follow

personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the

expertise of employees in the area responding to the spill.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the

environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal

evaluation.

#### 7. HANDLING AND STORAGE

**Handling Technical Measures and Precautions:** 

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Storage Technical Measures and Conditions:** 

Store in a cool dry place. Isolate from incompatible materials.

Keep container closed when not in use

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**United States:** 

**Chemical Name** CAS No. **IDLH ACGIH STEL ACGIH TLV-TWA OSHA Exposure** 

Limit

N-Methyl-N-

24589-78-4

Not None Known Not established

No data available

(trimethylsilyl)trifluoro

established

acetamide

**Personal Protection:** 

**Engineering Measures:** 

Local exhaust ventilation or other engineering controls are normally required

when handling or using this product to avoid overexposure.

**Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this

product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to

eliminate symptoms.

**Eye Protection:** Wear chemically resistant safety glasses with side shields when handling this

product. Do not wear contact lenses.

Wear protective gloves. Inspect gloves for chemical break-through and replace at Skin Protection:

> regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when

leaving work

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color: No data available

Odor: None

**Physical State:** No data available pH: Not applicable **Vapor Pressure:** No data available **Boiling Point (°C):** No data available Flash Point (°F): No data available Flammability: Flammable

Upper Flammable/Explosive Limit, % in air: No data available Lower Flammable/Explosive Limit, % in air: No data available Autoignition Temperature (°C): No data available deg C **Decomposition Temperature (°C):** No data available **Evaporation Rate:** No data available

Odor Threshold: No data available Solubility: Not determined Partition Coefficient: n-octanol in water: No data available

VOC % by weight: 0

Molecular Weight: No data available

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

**Conditions to Avoid:** None known.

Materials to Avoid / Chemical Incompatiability: Strong oxidizing agents **Hazardous Decomposition Products:** No data available

### 11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Target Organs Potentially Affected By Exposure: No data available **Chemical Interactions That Change Toxicity:** None Known

### Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation: Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea,

and headache.

**Skin Contact:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause

permanent damage.

**Skin Absorption:** May cause irritation and minor systemic damage.

**Eye Contact:** Can cause moderate irritation, tearing and reddening, but not likely to

permanently injure eye tissue.

Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

**Long-Term (Chronic) Health Effects:** 

Carcinogenicity: No data.

Reproductive and Developmental Toxicity: No data available to indicate product or any components

present at greater than 0.1% may cause birth defects. Upon prolonged and/or repeated exposure, can cause

minor respiratory irritation, dizziness, weakness, fatigue,

nausea, and headache.

Skin Contact: Upon prolonged or repeated contact, can cause

moderate skin irritation, defatting, and dermatitis. Not

likely to cause permanent damage.

Skin Absorption: Upon prolonged or repeated exposure, harmful if

absorbed through the skin. May cause minor systemic

damage.

**Component Toxicological Data:** 

NIOSH:

Inhalation:

Chemical Name CAS No. LD50/LC50

No data available

**Component Carcinogenic Data:** 

OSHA:

Chemical Name CAS No.

No data available

ACGIH:

Chemical Name CAS No.

No data available

NIOSH:

Chemical Name CAS No.

No data available

NTP:

Chemical Name CAS No.

No data available

IARC:

Chemical Name CAS No. Group No.

12. ECOLOGICAL INFORMATION

Overview: No ecological information available

Mobility:No dataPersistence:No dataBioaccumulation:No dataDegradability:No data

Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing

spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous

waste determination on mixtures.

Disposal Methods: Dispose of by incineration following Federal, State, Local,

or Provincial regulations.

Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial

Environmental Regulations.

14. TRANSPORTATION INFORMATION

**United States:** 

**DOT Proper Shipping Name:** Flammable liquids, n.o.s.( N-Methyl-N-

trimethylsilyltrifluoroacetamide)

UN Number: UN1993

Hazard Class: 3
Packing Group: III

HC-BIS3-10/ MSTFA (Biodiesel Internal Standard 3)

International:

IATA Proper Shipping Name: Flammable liquids, n.o.s. ( N-Methyl-N-

trimethylsilyltrifluoroacetamide)

UN Number: UN1993

Hazard Class: 3
Packing Group: III

Marine Pollutant: No

| Chemical Name     | CAS# | Marine Pollutant | Severe Marine<br>Pollutant |
|-------------------|------|------------------|----------------------------|
| No data available |      |                  |                            |

#### 15. REGULATORY INFORMATION

**United States:** 

Chemical Name CAS# CERCLA SARA 313 SARA EHS TSCA 313

N-Methyl-N- 24589-78-4 - - X

(trimethylsilyl)trifluoroace

tamide

The following chemicals are listed on CA Prop 65:

| Chemical Name | CAS# | Regulation |  |
|---------------|------|------------|--|

State Right To Know Listing:

| Chemical Name               | CAS#       | New Jersey | Massachusetts | Pennsylvania | California |
|-----------------------------|------------|------------|---------------|--------------|------------|
| N-Methyl-N-                 | 24589-78-4 | -          | -             | -            | -          |
| (trimethylsilyl)trifluoroac |            |            |               |              |            |
| etamide                     |            |            |               |              |            |

#### 16. OTHER INFORMATION

Prior Version Date: 11/19/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical

line in front of the concerned paragraph.

References: No data available

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