

# MATERIAL SAFETY DATA SHEET

## Chemical Product

Product Name: 2-THENOYL TRIFLUOROACETONE AR

CAS#: 326-91-0

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: Not available.

## Composition and Information on Ingredients

| Name                             | S.K.U    | % by Weight |
|----------------------------------|----------|-------------|
| 2-THENOYL<br>TRIFLUOROACETONE AR | GCS-3373 | 100         |

## Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45:

Classification: Xi; R36/37/38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP):

Health hazards: Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation -Category 3

- Warning (CLP: STOT SE 3) H335 Skin irritation - Category 2 - Warning (CLP: Skin Corr. 2) H315 Eye irritation - Category 2A - Warning (CLP: Eye Irrit. 2) H319

Label elements

Labelling EC 67/548 or EC 1999/45:

Symbol(s): Xi: Irritant

R Phrase(s): R36/37/38: Irritating to eyes, respiratory system and skin.

S Phrase(s): S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.

### Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## First Aid Measures

#### Description of first aid measures

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Skin contact: Specific treatment (see on this label). Get medical advice. If skin irritation occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eye contact: 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.

Ingestion: Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

#### Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

### Fire and Explosion Data

#### Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

#### Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

#### Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

### Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

#### Environmental precautions

Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### Methods and material for containment and cleaning up:

Clean up methods: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

## Handling and Storage

### Precautions for safe handling

Handling: Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.  
Wash thoroughly after handling.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Special precautions: Avoid breathing dust, fume, gas, mist, vapours, spray.

### Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end use(s): None.

## Exposure Controls/Personal Protection

### Exposure controls

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Chemical goggles or safety glasses.

Others: When using, do not eat, drink or smoke.

### Control parameters

Occupational Exposure Limits: No data available.

## Physical and Chemical Properties

### Information on basic physical and chemical properties

|                           |                    |
|---------------------------|--------------------|
| Physical state at 20 °C:  | Solid.             |
| Colour:                   | Light yellow       |
| Odour:                    | Odorless           |
| Odour threshold:          | No data available. |
| pH value:                 | Not applicable.    |
| Melting point [°C]:       | 40 - 44 °C         |
| Decomposition point [°C]: | N/A                |

|                                                                           |                                                                   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|
| Critical temperature [°C]:                                                | N/A                                                               |
| Auto-ignition temperature [°C]:                                           | N/A                                                               |
| Flammability (solid, gas):                                                | N/A                                                               |
| Flash point [°C]:                                                         | 112 °C                                                            |
| Boiling point [°C]:                                                       | 96 - 98 °C                                                        |
| Initial boiling point [°C]:                                               | 96°C                                                              |
| Final boiling point [°C]:                                                 | 98 °C                                                             |
| Evaporation rate:                                                         | N/A                                                               |
| Vapour pressure [20°C]:                                                   | N/A                                                               |
| Vapour pressure mm/Hg:                                                    | N/A                                                               |
| Vapour density:                                                           | N/A                                                               |
| Density [g/cm3]:                                                          | N/A                                                               |
| Relative density, gas (air=1):                                            | N/A                                                               |
| Relative density, liquid (water=1):                                       | N/A                                                               |
| Solubility in water [% weight]:                                           | Insoluble in water                                                |
| Solubility in water:                                                      | N/A                                                               |
| Log Pow octanol / water at 20°C:                                          | No data available.                                                |
| Solubility:                                                               | N/A                                                               |
| Viscosity at 40°C [mm2/s]:                                                | N/A                                                               |
| Other information                                                         |                                                                   |
| Explosive properties:                                                     | N/A                                                               |
| Explosion limits - upper [%]:                                             | N/A                                                               |
| Explosion limits - lower [%]:                                             | N/A                                                               |
| Oxidising properties:                                                     | No data available.                                                |
| <b>Stability and Reactivity Data</b>                                      |                                                                   |
| Reactivity: Not established.                                              |                                                                   |
| Chemical stability: Stable under recommended storage conditions.          |                                                                   |
| Hazardous reactions: Not established.                                     |                                                                   |
| Conditions to avoid: Direct sunlight. Extremely high or low temperatures. |                                                                   |
| Materials to avoid: Strong acids. Strong bases.                           |                                                                   |
| Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide. |                                                                   |
| <b>Toxicological Information</b>                                          |                                                                   |
| Information on toxicological effects                                      |                                                                   |
| Acute toxicity:                                                           |                                                                   |
| Inhalation:                                                               | Based on available data, the classification criteria are not met. |
| Dermal:                                                                   | Based on available data, the                                      |

classification criteria are not met. Ingestion: Based on available data, the classification criteria are not met.  
Corrosion: Based on available data, the classification criteria are not met.  
Irritation: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.  
Sensitization: Based on available data, the classification criteria are not met.  
Mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Toxic for reproduction: Based on available data, the classification criteria are not met.  
STOT-single exposure: Based on available data, the classification criteria are not met.  
STOT-repeated exposure: Based on available data, the classification criteria are not met.  
Aspiration hazard: Based on available data, the classification criteria are not met.

Toxicological Data on Ingredients: Not available.

## Ecological Information

Toxicity information: Not established.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Environmental precautions: Avoid release to the environment.

## Disposal Considerations

Waste Disposal:

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## Transformation Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

## Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

## Additional Information

References: Not available.

Other Special Considerations: Not available.

## ***Disclaimer:***

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