

## Safety Data Sheet

Anhydride FL

Version: 22.03.2000

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### 1. Chemical Product and Company Identification

Trade name : Anhydride FL

Producer : Lonza SpA  
Stabilimento di Scanzorosciate  
Via Enrico Fermi 51  
IT- 24020 Scanzorosciate, BG  
Telephone: ++39 035 652 111

Division : Intermediates and Additives

Emergency telephone number : Telephone: +39 035 652 276 (24h)

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### 2. Composition/Information on Ingredients

Components	CAS-No.	Labelling	Concentration
4-Methylhexahydrophthalic anhydride	19438-60-9	Xn; R41-R42/43	ca. 25,00 %

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### 3. Hazards Identification

Risk of serious damage to eyes.  
May cause sensitization by inhalation and skin contact.

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### 4. First Aid Measures

Inhalation : Remove from area to fresh air. If not breathing, clear airway and start artificial respiration (mouth-to-mouth, bag-mask respirator). If having trouble breathing, give supplemental oxygen. Get immediate medical attention.

Skin contact : Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation appears or persists, call a physician.

Eye contact : Call a physician immediately. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion : If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a physician.

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### 5. Fire-fighting Measures

- Suitable extinguishing media : foam, carbon dioxide (CO<sub>2</sub>), dry powder, halons, water spray
- Specific hazards during fire fighting : Products of combustion are toxic.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Additional advice : Water mist may be used to cool closed containers.

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### 6. Accidental Release Measures

- Personal precautions : In presence of vapours, wear a mask with an A-type filter for organic vapours or a breathing set. Wear protective clothing.
- Environmental precautions : Inform competent authorities in case of leakage and contamination of waters, soil or drains.
- Methods for cleaning up : Absorb spill with inert material (sand, earth, chemical absorbent, etc.) and give the liquid and solid in separate containers for recovery or disposal. Do not allow to get into drains, water courses, etc.

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### 7. Handling and Storage

#### Handling

- Advice on protection against fire and explosion : Take precautionary measures against static discharge.

#### Storage

- Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place.

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### 8. Exposure Controls/Personal Protection

#### Components with workplace control parameters

4-Methylhexahydrophthalic anhydride (CAS-No.: 19438-60-9)

ACGIH-TLV

Remarks : None established

#### Personal protective equipment

Hygiene measures : Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Respiratory protection : Use respirator when performing operations involving potential exposure to vapor or particulates of the product.

Hand protection : PVC or other plastic material gloves

Eye protection : Wear eye/face protection.

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### 9. Physical and Chemical Properties

#### Appearance

State of aggregation : liquid

Form : viscous

Colour : light yellow

Odour : characteristic

#### Safety relevant data

Density : 1,1600 g/cm<sup>3</sup> (25,0 °C)

Vapour pressure : 100,0 mmHg (280 °C)

Viscosity, dynamic : 10.000,000 - 12.000,000 mPa.s (25,0 °C)

Flash point : open cup : 135,0 °C

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### 10. Stability and Reactivity

Hazardous reactions : Stable at normal conditions

Materials to avoid : alkalies

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### 11. Toxicological Information

Additional advice : At present time is no toxicological information available.

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### 12. Ecological and Ecotoxicological Information

Additional advice : No data available

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### 13. Disposal Considerations

Waste from residues : The organic ingredients may be incinerated in a installation approved by the competent authorities.  
Must be incinerated in a suitable incineration plant authorised by the competent authorities.  
Dispose of in compliance with all Federal, state and local laws and regulations.

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### 14. Transport Information

ADR : not regulated

RID : not regulated

IATA Cargo : not regulated

IATA Passenger : not regulated

IMDG-Code : not regulated

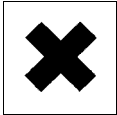
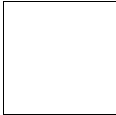
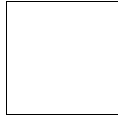
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### 15. Regulatory Information

- Hazardous material : yes
- Additional advice : Classification and labelling according to Directive 88/379/EEC:
- Symbols/indications of danger :   
- : Harmful
- R-phrase(s) R41: Risk of serious damage to eyes.  
R42/43: May cause sensitization by inhalation and skin contact.
- S-phrase(s) S22: Do not breathe dust.  
S23: Do not breathe vapour.  
S24: Avoid contact with the skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37/39: Wear suitable gloves and eye/face protection.

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### 16. Other Information

- Other instructions/regulations : The product is a preparation. The components are listed in TSCA and EINECS.

Vertical lines on the left-hand side indicate changes since last version.

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The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information.