

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME 10% NITRIC ACID (STABILISED)

PRODUCT CODE 64095x

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2. HAZARDS IDENTIFICATION

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Skin Corrosion (Category 1B)

H314

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

DANGER



Hazard statement(s)

H314 Causes severe skin burns and eye damage

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 Immediately call a POISON CENTER or doctor/physician

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Name | EC # | CAS # | Content | Classification |
|-------------|-----------|-----------|---------|---|
| NITRIC ACID | 231-714-2 | 7697-37-2 | 5-10% | Ox. Liq. 3, Skin Corr. 1A H272, H314 |

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air. Perform artificial respiration if breathing has stopped.

INGESTION

Rinse mouth with water. Never make an unconscious person vomit or drink fluids.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Water spray, Alcohol-resistant foam, Dry chemicals, or Carbon dioxide

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus if necessary.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate personnel to a safe area. Avoid aerosol formation. Avoid breathing aerosols. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow spillage to enter watercourses, drains or sewers. Stop further spillage if possible without risk.

SPILL CLEAN-UP METHODS

Flush area with water – do not allow water to enter drains. Absorb with disposable towels and hold for hazardous disposal – see section 13.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid aerosol formation. Provide adequate exhaust function where aerosol is likely.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

STORAGE CLASS

Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name | Std | 8h TWA | STEL |
|-------------|-----|--------|-----------------------------|
| NITRIC ACID | WEL | | 1 ppm 2.6 mg/m ³ |

WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves. The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is possible.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where aerosols are likely.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|-------------------|
| APPEARANCE | Colourless Liquid |
| ODOUR | Acidic |
| SOLUBILITY / MISCIBLE WITH | Water; Ethanol |

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

INCOMPATIBLE MATERIALS

Alkalis, Alkali metals

11. TOXICOLOGICAL INFORMATION

INHALATION

May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through skin. Causes skin irritation.

EYE CONTACT

Causes eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

None recorded.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

| | UN # | Class | Packing | Proper shipping name |
|------------------|------|-------|---------|----------------------|
| <u>RID / ADR</u> | 2031 | 8 | II | Nitric Acid |
| <u>IATA</u> | 2031 | 8 | II | Nitric Acid |
| <u>IMDG</u> | 2031 | 8 | II | Nitric Acid |

SIGNAGE



ENVIRONMENTAL HAZARDS

| | |
|-----------|----|
| RID / ADR | No |
| IATA | No |
| IMDG | No |

15. REGULATORY INFORMATION

STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.
Workplace Exposure Limits EH40/2011.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION INFORMATION

| | |
|-----------------------------|--------------------------|
| Revision No. | 03 |
| Revision Date | 10/2015 |
| Comments | CHIP regulations removed |
| Replaces Document Generated | 06/2013 |

HAZARD STATEMENTS IN FULL

| | |
|------|---|
| H272 | May intensify fire; oxidizer |
| H314 | Causes severe skin burns and eye damage |