



MATERIAL SAFETY DATA SHEET

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Revision nr : 3

Date : 27/11/2007

Supersedes : 30/5/2006

Nitric Acid 69%**BA24079**

Label 8 : Corrosive substance.



C : Corrosive

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : Nitric Acid 69%
Chemical family : Acids
Use : Industrial.
Company identification : Quaron
NL - Noordweg 3 - 3336 LH Zwijndrecht - Tel.:+31 786250000
BE - Rue des Sablières 1 - 7522 Tournai Blandain - Tel.:+32 69881000
FR - 12, Rue de la Rache - BP 57 - 59481 Haubourdin Cedex - Tel.:+33 320175700
E-mail: msds@quaron.com

Emergency phone nr : Contact your National Anti Poison Centre. (Only to be contacted by a physician)

2. HAZARDS IDENTIFICATION

Hazards identification : Corrosive.
Main hazards : R35 : Causes severe burns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS	EG	EC index	Classification
Nitric acid	: 20 70 %	7697-37-2	231-714-2	007-004-00-1	O; R8 C; R35

Other information : Full text of R-Phrases : see under section 16.

4. FIRST AID MEASURES

First aid measures

- **Inhalation** : Allow the affected person to rest. Remove victim to fresh air. Seek medical advice.
- **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **Eye contact** : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Ingestion** : Rinse mouth.
Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Flammable class : Not combustible.
Extinguishing media : Use extinguishing media appropriate for surrounding fire.
Prevention : Avoid contact with reducing and combustible material.



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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers, ground and public waters.
Residue may be washed down with water.
- Clean up methods** : If a major spill occurs, all personnel should be immediately evacuated and the area ventilated.
- on soil** : Dike for recovery or absorb with appropriate material.

7. HANDLING AND STORAGE

- General**
- Precautions in handling and storage** : Avoid all unnecessary exposure.
Handle in accordance with good industrial hygiene and safety procedures.
No Smoking.
- Storage** : Store in tightly closed container and in a properly vented store, away from heat, sparks and open flame.
- Storage - away from** : Bases. Reducing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational Exposure Limits** : Nitric acid : MAC Value - Netherlands : TTG-15 min 1.3 mg/m³
Nitric acid : MAC Value - Belgium : 2 ppm; 5.3 mg/m³
Nitric acid : MAC Value - France : 1 ppm; 2.6 mg/m³
- Personal protection**
- Respiratory protection** : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
- Hand protection** : Wear suitable gloves resistant to chemical penetration.
- Eye protection** : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Skin protection** : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn.
- Head protection** : None.
- Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene**



9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Colourless to light yellow
- Odour** : Pungent.
- pH value** : <1.0
- Vapour pressure [hPa] 20°C** : 9.4
- Viscosity (mPa.s)** : 2.0
- Density** : 1.4 g/cm³
- Solubility in water [g/100ml]** : Mixable in all proportions



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10. STABILITY AND REACTIVITY

- Stability** : Stable under normal conditions.
- Hazardous reactions** : Forms explosive mixtures with a lot of organic solids and metallic powder.
- Materials to avoid** : Combustibles.
Reducing agents
Strong bases.

11. TOXICOLOGICAL INFORMATION

- Toxicity information**
- Acute toxicity**
- Effects by ingestion** : Irritation of the linings of the mouth, throat, and gastrointestinal tract.
- Effects on skin contact** : This material has been shown to be a severe skin irritant.
- Effects on inhalation** : Irritating to respiratory system.
- Effects on eye contact** : Severe eye irritant.
- On ingredients**
- Nitric acid** : Rat inhalation LC50 [mg/l/4h] : 171


12. ECOLOGICAL INFORMATION

- Ecological effects information**
- Mobility** : In water, material soluble.
- On ingredients**
- Nitric acid** : LC50-96 Hour - fish [mg/l] : 72
- National prescriptions**
- WGK class (Germany)** : Water hazard class 2 : hazardous for water
- General evaluation method (NL)** : Water hazard class 10
Sanitizing effort A

13. DISPOSAL CONSIDERATIONS

- Disposal method** : Dispose in a safe manner in accordance with local/national regulations.
- Treatment of dirty packing** : After last use, the packing should be totally empty and closed.

14. TRANSPORT INFORMATION

- General information**
- UN No.** : 2031
- Class** : 8
- Packing group** : II
- Labelling ADR**
- 
- Warning panel** : 80
- Proper shipping name** : UN2031 NITRIC ACID, 8, II
- Sea transport**
- EMS-Nr** : F-A, S-B



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15. REGULATORY INFORMATION

EC Labelling : Classification and labelling following EC directives 67/548/EEC and 1999/45/EC and their adaptations to technical progress

Symbol(s)



Contains

: Corrosive.

R Phrase(s)

: Nitric acid

S Phrase(s)

: R35 : Causes severe burns.

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

16. OTHER INFORMATION

List of relevant R phrases : R8 : Contact with combustible material may cause fire.
R35 : Causes severe burns.

The contents and format of this MSDS are in accordance with regulation (EC) no. 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of Chemicals (REACH).
Appendix

Of the raw materials in chapter 3 at moment of reporting of this material safety data sheet, chemical safety reports have not been registered in the scope of regulation (EC) no. 1907/2006.

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