

## SAFETY PROTECTION SHEET

# NITRIC ACID 53% / 68%



### Display safety data sheet



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H331 Toxic if inhaled.  
 H272 May intensify fire; oxidiser.  
 H290 May be corrosive to metals.  
 EUH 206 Warning! Do not use together with other products. May release dangerous gases (chlorine).  
 EUH 071 Corrosive to the respiratory tract.

### General

Article no.

1472016, 1472017, 1472018, 1472119

Use of the substance / mixture

Food process cleaner.  
 Cleaning in place (CIP) process.  
 Descaling agent.

PROC1 Use in closed process, no likelihood of exposure

### First aid procedures

General

Show this sheet or relevant SDS to the doctor in attendance.

Inhalation

If breathing is difficult, remove victim to fresh air and keep the person warm and at rest in a position comfortable for breathing. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Get immediate medical advice/attention.

Skin contact

Rinse the skin immediately with lots of water. Use safety shower if necessary. Take off contaminated clothing and wash before reuse. Get medical advice/attention.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. Continue flushing during transport to hospital.

Ingestion

Rinse mouth thoroughly. Drink a few glasses of water or milk. Do not use acidic antidotes or sodium bicarbonate. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Acute symptoms and effects

Causes severe skin burns and eye damage. See further section 11.1 under "Potential Acute Effects"

Information for health personnel

CORROSIVE PRODUCT: Contains NITRIC ACID

IF IN EYES: Remember to remove lenses if they are present. Ask patient. Continue eye rinsing/treatment. Call an eye specialist in all cases.

Other information

Follow instructions in section 4.1

### Protective equipment

Symbols



Limitation of exposure on workplace

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye protection	Use approved safety goggles or face shield. Safety glasses should have side shields.
Suitable eye protection	Safety glasses should have side shields.
Hand protection	Wear protective gloves.
Skin- / hand protection, short term contact	Butylrubber: Penetration time: >= 480 min Material thickness: >= 0,7 mm
Suitable materials	Butyl rubber. Neoprene. Rubber (natural, latex). Viton rubber (fluor rubber).
Respiratory protection	At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Chemical respirator with acid gas cartridge.
Skin protection (except hands)	Wear suitable protective clothing as protection against splashing or contamination.

## Fire fighting measures

Suitable extinguishing media	Carbon dioxide (CO2). Water. Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Do not use chemical extinguishers, foam or dry sand.
Fire and explosion hazards	OXIDISING! May intensify fire; oxidiser. Containers can burst violently when heated, due to excess pressure build-up. In case of fire, toxic and corrosive gases may be formed. Nitrous gases (NOx). Reacts violently with many compounds e.g: with (strong) reducers, with (some) bases, with organic material, with combustible materials. Violent to explosive reaction with (some) metal powders: release of highly flammable gases/vapours hydrogen.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance. Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. Beware, risk of formation of toxic and corrosive gases. Do not get water inside container.
Personal protective equipment	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## Preventive Measures to contain emissions

Personal protection measures	Avoid any actions which may cause undue risk. Avoid inhalation of vapours and contact with skin and eyes. Wear protective gloves / protective clothing / eye protection / face protection. Call a POISON CENTER or doctor/physician if you feel unwell.
Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground. Collect spillage. If collecting spillage is not possible, dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.
Cleaning method	Stop leak if possible without any risk. Collect for reclamation or absorb in vermiculite, dry sand or similar material. Neutralise with alkaline material (Lime, crushed limestone, sodium bicarbonate or soda ash). Flush area with water.
Containment	Store in a closed container.
Other instructions	See 8.2 See section 8 and 13 for further details.

## Responsible company

Company name	Tandur h.f. 110 Reykjavík
Country	ICELAND
Telephone number	00354 510 1200
Emergency telephone	112 EMERGENCY# POISON CENTER (+354)-543-2222 EMERGENCY# POISON CENTER