



1 - PRODUCT AND COMPANY IDENTIFICATION

Commercial name

LIMPIADOR PARA ACERO INOXIDABLE T84910000

Use of the substance/preparation

Industrial treatment of metallic surfaces and/or alliajes.

Company

SIDAS A Div. Tribolube
Farell, 9
08014 Barcelona

Emergency Telephone

(93) 447.98.00
(93) 432.94.00

2 - COMPOSITION/ INFORMATION ON COMPONENTS

Chemical composition

Nitric acid in aqueous solution

Component	N°EINECS	CAS N°	Concentration	Classification	Risk Phrases
NITRIC ACID...%	231-714-2	7697-37-2	30-35%	O, C	R35 R8

The list of all mentioned R phrases (full text) is given under heading 16

3 - HAZARDS IDENTIFICATION

Personal hazards

Corrosive product.

Environment hazards

4 - FIRST AID

Skin contact : Symptoms/ Effects

Burns
Irritation

First aid

Remove immediately all contaminated clothing
Rinse with plenty of water.
Common treatment of burns.

Eye contact : Symptoms/ Effects

Burns
Severe damage to eyes.

First aid

Wash with large quantities of water and the eyelids open
Seek medical advice.

Inhalation : Symptoms/ Effects

Respiratory tract irritation.



First aid

Breathe fresh air.
Artificial respiration, if necessary.

Ingestion : Symptoms/ Effects

Mouth and esophagus burns

First aid

Drink water.
Seek medical advice.

5 - FIRE FIGHTING MEASURES

Extinguishing media

Water spray.

Protective equipment

If any emission of fumes is noticed, use self-contained breathing apparatus.

Fire hazards

If possible, remove the product from the fire area.

Do NOT use

6 - ACCIDENTAL SPILLAGE MEASURES

Personal

Avoid contact with eyes and skin.
Absorb the product using appropriate protective clothing.

Environment

Try to prevent material from entering drains, water courses or rural and urban areas

Cleaning up methods

Transfer to a salvage container.
Contain with sand or earth.
Eliminate the rest with water.
The water used should be neutralised before disposal.

7 - HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing.
Handle the product with care.

Storage

Keep containers tightly closed.

8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Store away from reducing agents.
Store in a cool and well-ventilated place

Technical measures



Safety shower and eye
bath _____

Limit values

For nitric acid: TLV 2 ppm, STEL 4 ppm (ACGIH).

Biological standards

Respiratory protection

When exceeding limit values, use approved-respirator.

Skin protection

Wear appropriate gloves and protective clothing.

Eye protection

Wear side-protective goggles.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Odour	Characteristic of product
pH	Acid
Density	1.170 - 1.190 g/cc
Viscosity	Not applicable
Solubility	Water soluble
Boiling point	-
Melting point	Not applicable
Flash point	Not flammable
Others	

10 - STABILITY AND REACTIVITY

Hazardous reactions

Reducing agents.
Alkaline products.

Avoid sun and heat.

Conditions to avoid

Materials to avoid

Brass, copper, copper alloys, galvanized iron.

Hazardous decomposition products



11 - TOXICOLOGICAL INFORMATION
Nitrogen oxids, toxic, during combustion.

Acute toxicity

The product is corrosive

Chronic effects

12 - ECOLOGICAL INFORMATION

Mobility

This product is soluble in water and can be transported to long distances if it is allowed to enter water courses.

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Degradation

Do not discharge into environment.

Aquatic toxicity

Others

Use as prescribed.

13 - DISPOSAL

Recover, if possible

The product and its solutions should be treated before its disposal according to local regulations.

14 - TRANSPORT

UN 2031 Nitric acid aqueous solution

	CLASS			PACKING GROUP	LABEL
ADR/RID:	8	Cod:	CO1	II	8
IATA:	8			II	8
IMDG:	8	Em-S:	F-A,S-B	II	8

15 - REGULATORY INFORMATION

Hazard symbol

C, O

Risk phrases

- R8 Contact with combustible material may cause fire.
- R35 Causes severe burns.



Safety phrases

- S1/2 Keep locked up and out reach children.
- S13 Keep away from food, drink and animal feeding stuffs.
- S23 Do not breathe vapour.
- S26 In case of contact with eyes, rinse immediately 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 where possible).

Contains :

NITRIC ACID (EEC N: 231-714-2)

Remarks

16 - OTHER INFORMATION

- This Material Safety Data Sheet has been compiled in accordance with:
- The EC Directive (91/155/CEE) and subsequent modifications.
- Directive 1999/45/CE relating to the classification packaging and labelling of dangerous preparations , which reproduces, in a rewritten text, the Directive 88/379/CEE and its amendments.
- Directive 67/548 (CEE) and subsequent modifications regarding Classif, Packaging and Labelling of Hazardous Substances.
- Directive 76/769/CEE and its subsequent amendments concerning restrictions on the marketing and the use of certain hazardous substances and preparations.
- European agreement about Dangerous Commodities International Transport by Road (ADR).
- Regulation for the Dangerous Commodities Air Transport, actualized (IATA).
- International Maritime Dangerous Goods Code (IMDG Code).
- Others References:
- NIOSH/OSHA POCKET GUIDE TO CHEMICAL HAZARDS
- REGULATORY AND SAFETY DATA (SIGMA-ALDRICH)
- This material Safety Data Sheet modifies, in relation to the previous versión, the following paragraphs:
- Physical and chemical properties (paragraph 9)
- Other information (paragraph 16)

R phrases (full text)

- R35 Causes severe burns.

The above information is based on the present state of our knowledge and experience and given in good faith. Users are advised of possible additional hazards when the product is used in applications for which it was not intended.