



SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: NETTOYANT D'EFFLORESCENCE POUR PAVÉS ET DALLES.
Product code: TS005.

Company/undertaking identification:

Registered company name: TECHNISEAL.
Address: 1470, rue de Coulomb.J4B 7K2.Boucherville (Québec).CANADA.
Telephone: 001 (514) 523-8324. Fax:001 (450) 655-0488. Telex:.
info@techniseal.com
http://www.techniseal.com

Emergency telephone: +33 (1) 45 42 59 59.

Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

INDEX	CAS	EC	Name	Symb.	R:	%
007-004-00-1	7697-37-2	231-714-2	NITRIC ACID ...%	C O	8 35	10 <= x % < 25

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
016-026-00-0	5329-14-6	226-218-8	SULPHAMIDIC ACID	Xi	36/38 52/53	10 <= x % < 25

Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

Other substances with occupational exposure limits:

No known substance in this category present.

3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site
Possibility of serious corrosive effects.

Preparation classification:


Corrosive.

R 35	Causes severe burns.
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4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

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Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

In the event of swallowing:

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

5 - FIRE-FIGHTING MEASURES

Not relevant.

6 - ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

If a large amount has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Product must not come into contact with the skin and eyes

Provide safety showers and eye washes in workshops where the product is handled constantly

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

N/A

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
7697-37-2	2	5	4	10	-	-

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
7697-37-2	-	-	2,6	1	-

Exposure limit values (2003-2006):

Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
7697-37-2	2 ml/m3	5,2 mg/m3	1(l)	DFG	
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:

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7697-37-2	2 ppm	4 ppm	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
7697-37-2	2 ppm	4 ppm	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
7697-37-2	2 ppm	4 ppm	-	-	-

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Where there is a risk of contact with the hands, suitable gloves must be used

Eye and face protection:

Avoid contact with the skin and eyes

Provide personnel with gloves, face masks and safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection:

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Physical state:	fluid liquid
Color :	Yellow.
Odor :	Citrus.

Important health, safety and environmental information:

pH of the substance or preparation:	strongly acidic.
When a pH measure is possible, it has a value of:	0.10 .
Boiling point/boiling range:	not relevant.
Flash point interval:	not relevant.
vapour pressure:	not specified.
Density:	> 1
Density:	1.15
water solubility:	Dilutable.
Viscosity:	21.5 cPs (20°C)

Other information:

melting point/melting range:	-50 °C.
Self-ignition temperature:	not relevant.
Decomposition point/decomposition range :	not specified.

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Conditions to avoid:

Contact with metals can release from hydrogen, which constitutes a risk of explosion.

Materials to avoid:

Strong bases, metals, cyanides, sulphides, sulphites, any oxydable matter or any active metal.

Hazardous decomposition products:

Phosphorus oxides, nitrogen oxides and hydrogen nitrate.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause tissue damage in less than three minutes after application to the healthy, unbroken skin of an animal

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Other adverse effects:

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

UN1760=CORROSIVE LIQUID, N.O.S.

(nitric acid ...%)

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.		
	8	C9	II	8	80	LQ22	274		
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.			
	8	-	II	1 L	F-A,S-B	274 944			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	
	8	-	II	808	1 L	812	30 L	A3	
	8	-	II	Y808	0.5 L	-	-	-	

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification:

Corrosive.

Contains:

007-004-00-1	NITRIC ACID
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Particular hazards associated with the preparation and safety recommendations:

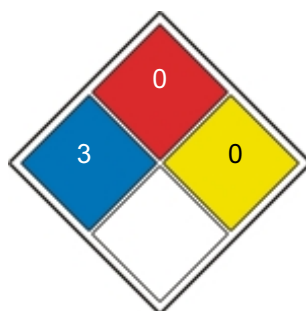
R 35	Causes severe burns.
S 1/2	Keep locked up and out of reach of children.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39	Wear suitable protective clothing, gloves and eye/ face protection.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 27	Take off immediately all contaminated clothing.
S 28	After contact with skin, wash immediately with plenty of water.
S 64	If swallowed, rinse mouth with water (only if the person is conscious)

Particular provisions:

Child-resistant fastenings (Annex IV A2- 1999/45/EC)

Tactile warning of danger.

Germany: WGK 1 (VwVwS vom 17/05/99, KBws)



16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

R 35	Causes severe burns.
R 36/38	Irritating to eyes and skin.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 8	Contact with combustible material may cause fire.