

NU-SUPRÊME™

SECTION 1: IDENTIFICATION

Product Identifiers

Product name NU-SUPRÊME™
Product codes 15201 / 16172

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Multipurpose Descaler
Restrictions on Use Not available

Initial Supplier Identifier

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SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with the Hazardous Products Regulations (HPR) (SOR/2015-17)
Serious eye damage/eye irritation Category 2A, H319

GHS Label elements, including precautionary statements

Pictogram

Signal word WARNING

Hazard statement(s) Causes serious eye irritation

Precautionary statement(s)
Prevention Wear eye protection
Wash hands thoroughly after handling

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage None

Disposal None

Other hazards

None



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS number	Common name	(%) (w/w)
L(+)-Lactic acid	79-33-4	Lactic acid	5 - 10

SECTION 4: FIRST-AID MEASURES**Inhalation:**

Move to fresh air. Get medical attention if you feel unwell.

Skin contact:

Wash thoroughly with soap and water. In case of skin irritation: Get medical attention.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Ingestion:

Rinse mouth. Call a POISON CENTER or a doctor if you feel unwell.

Most important symptoms and effects, acute and delayed

Symptoms/effects after eye contact: irritation of the eye tissue.

Immediate medical attention and special treatment:

Treat according to symptoms.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media: Foam, Extinguishing powder, Carbon dioxide (CO₂), Water.

Unsuitable extinguishing media: Not applicable

Specific hazards arising from the product:

No data available

Special protective equipment and precautions for Fire-Fighters:

Wear appropriate apparatus of breathing and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Wear appropriate personal protective equipment for cleaning (gloves and safety glasses).

Methods for containment and cleaning up:

Thoroughly clean contaminated areas and objects in accordance with environmental regulations. Wipe with an absorbent material (cloth, for example, wool). Avoid release into the environment.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling:**

Avoid contact with eyes. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.



Conditions for safe storage:

Store in a cool place. Protect the product from the heat and sunlight.

Incompatibilities:

Keep away from incompatible materials described in Section 10.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limit values: Not applicable

Appropriate engineering controls: Eyewash station

Individual protection measures

Eye/Face protection: Wear safety eyewear.

Skin protection: Wear protective gloves if the product is used for prolonged time. Wash hands thoroughly after handling.

Respiratory protection: Respiratory protection is not required in general.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink liquid

Odour: Fruity (apple)

Odour threshold: Not available

pH: 2.1 - 2.6

Melting / Freezing point: 0°C

Initial boiling point and boiling range: 95 - 100°C

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gas): Not applicable

Lower flammability or explosive limit: Not available

Upper flammability or explosive limit: Not available

Vapour pressure: Not available

Vapour density: Not available

Relative density: 1.02 - 1.04

Solubility in water: Easily soluble in water

Solubility in other liquids: Not available

Partition coefficient, n-Octanol / Water (Log Kow): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: 200 - 500 cSt

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No known reactivity

Chemical stability:

Stable under normal conditions of use and storage.



In accordance with the Hazardous Products Regulations (HPR)

Possibility of hazardous reactions:

None under normal processing.

Conditions to avoid:

Avoid heat and the direct sunlight to preserve the quality of the product.

Incompatible materials:

Strong bases

Hazardous decomposition products:

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Inhalation Skin contact Eye contact Ingestion

Acute toxicity:

The product is not classified (the classification criteria are not met).

Exposition	Measurement	Effective dose	Method
Product: Nu-Suprême			
Oral	LD50 (calculated)	> 5000 mg/Kg bw (oral/Rat)	Additivity formula
Dermal	LD50 (calculated)	> 5000 mg/Kg bw (dermal/Rat)	
Ingredient: L-(+)-lactic acid - CAS No.: 79-33-4			
Oral	LD50	3730 mg/Kg bw (Rat, female)	EPA OPP 81-1
Dermal	LD50	> 2000 mg/Kg bw (Rabbit, male/female)	EPA OPP 81-2

Skin corrosion/irritation:Product:

The Product has not been tested

Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)

Classified as corrosive to skin according to the OECD 404 method.

Serious eye damage/eye irritation:Product:

The product is not classified as corrosive to eyes according to the OECD 438 method.

Causes serious eye irritation.

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)

Classified as corrosive to eyes according to the OECD 438 method.

Respiratory and/or skin sensitization:Product:

The Product has not been tested

Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)

Not classified.

STOT (Specific target organ toxicity) - Single exposure :Product:

The Product has not been tested

Not classified (the classification criteria are not met).



SAFETY DATA SHEET



In accordance with the Hazardous Products Regulations (HPR)

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

STOT (Specific target organ toxicity) - Repeated exposure :

Product:

The Product has not been tested
Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

Carcinogenicity:

Product:

The Product has not been tested
Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

Reproductive toxicity:

Product:

The mixture has not been tested
Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

Germ cell mutagenicity:

Product:

The mixture has not been tested
Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

Aspiration hazard

Product:

The mixture has not been tested
Not classified (the classification criteria are not met).

Ingredient:

L(+)-Lactic acid (CAS No.: 79-33-4)
Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicology:

Aquatic toxicity
The product is not classified

Dose	Duration (h)/(d)	Species	Method
Product: Nu-Suprême			
LC50 (calculated): > 100 mg/l	Not applicable	Not applicable	Not applicable
Ingredient: L-(+)-lactic acid - CAS No. : 79-33-4			



SAFETY DATA SHEET



In accordance with the Hazardous Products Regulations (HPR)

LC50: 320 mg/l	48h	Fish	-
EC50: 240 mg/l	48h	Daphnia pulex	-
EC50: 3500 mg/l	72h	Scenedesmus capricornutum	-

Terrestrial ecotoxicology:

The product has not been tested.

Persistence and degradability:

The product has not been tested.

Ingredient	CAS No.	Method	Result	Duration
L-(+)-lactic acid	79-33-4	OECD 301D	64%	28 days

Bioaccumulative potential:

The product has not been tested.

Mobility in soil:

The product has not been tested.

Other adverse effects:

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents or containers in accordance with the regional office of the environmental authority with jurisdiction.

SECTION 14: TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
TDG	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
IMDG					
IATA					

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable

Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

The product classification and the Safety Data Sheet have been developed in accordance with the HPR.

SECTION 16: OTHER INFORMATION

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