SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : DETARMAX MULTI

Product code : 103354

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

N/A

1.3. Details of the supplier of the safety data sheet

IPC
10 Quai Malbert, 29200, BREST, FRANCE.
Tel. : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53
ipc@groupe-ipc.com

1.4. Emergency telephone number : 01 45 42 59 59.

Association/Organisation : INRS.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Substance that is corrosive to metals, Category 1 (Met. Corr. 1, H290).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS05

Signal Word :

DANGER

Product identifiers :

EC 231-595-7	HYDROCHLORIC ACID
EC 246-807-3	BIS(2-HYDROXYETHYL) OLEYLAMINE
EC 231-639-5	SULPHURIC ACID

Hazard statements :

H290	May be corrosive to metals.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P302 + P352	IF ON SKIN: Wash with plenty of water/...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...

Precautionary statements - Disposal :

P501	Dispose of contents/container to ...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 017_002_01_X CAS: 7647-01-0 EC: 231-595-7 REACH: 01-2119484862-27-XXXX HYDROCHLORIC ACID	GHS05, GHS07 Dgr Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335	B [1]	0 <= x % < 2.5
INDEX: 25307_17_9 CAS: 25307-17-9 EC: 246-807-3 REACH: 01-2119510876-35 BIS(2-HYDROXYETHYL) OLEYLAMINE	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 2.5
INDEX: 016_020_00_8 CAS: 7664-93-9 EC: 231-639-5 REACH: 01-2119458838-20-XXXX SULPHURIC ACID	GHS05 Dgr Skin Corr. 1A, H314	B [1]	0 <= x % < 2.5
INDEX: 609 CAS: 308062-28-4 EC: 931-292-6 REACH: 01-2119490061-47-XXXX OXYDE D'ALKYL DIMETHYLAMINE	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1		0 <= x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 017_002_01_X CAS: 7647-01-0 EC: 231-595-7 REACH: 01-2119484862-27-XXXX HYDROCHLORIC ACID	Skin Corr. 1B: H314 C>= 25% Skin Irrit. 2: H315 10% <= C < 25% Eye Dam. 1: H318 C>= 25% Eye Irrit. 2: H319 10% <= C < 25%	inhalation: ATE = 45.6 mg/l 4h (dust/mist) oral: ATE = 700 mg/kg BW

INDEX: 016_020_00_8 CAS: 7664-93-9 EC: 231-639-5 REACH: 01-2119458838-20-XXXX SULPHURIC ACID		inhalation: ATE = 375 mg/l (dust/mist) oral: ATE = 2140 mg/kg BW
INDEX: 609 CAS: 308062-28-4 EC: 931-292-6 REACH: 01-2119490061-47-XXXX OXYDE D'ALKYL DIMETHYLAMINE		oral: ATE = 1064 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated aera 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 :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. 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.

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

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

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

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
7647-01-0	8	5	15	10	-
7664-93-9	0.05	-	-	-	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7647-01-0			2 ppm	A4	
7664-93-9	0.2 (T) mg/m3			A2 (M)	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
7647-01-0		2 ppm 3 mg/m³		2(I)
7664-93-9		0.1 E mg/m³		1(I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
7647-01-0	-	-	5	7.6	-	-
7664-93-9	-	0.05t	-	3	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7647-01-0	1 ppm 2 mg/m³	5 ppm 8 mg/m³			
7664-93-9	0.05 mg/m³			The mist is defined as the thoracic fraction	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)

Final use: **Man exposed via the environment.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.44 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 5.5 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 1.53 mg of substance/m3

SULPHURIC ACID ...% (CAS: 7664-93-9)

Final use: **Workers.**

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 0.05 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 0.1 mg of substance/m3

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 0.25 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 1.76 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.

DNEL : 0.179 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 0.179 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 0.621 mg of substance/m3

HYDROCHLORIC ACID ...% (CAS: 7647-01-0)

Final use: **Workers.**
Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 8 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 15 mg of substance/m3

Predicted no effect concentration (PNEC):

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)

Environmental compartment: Soil.
PNEC : 1.02 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.0335 mg/l

Environmental compartment: Sea water.
PNEC : 0.00335 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.0335 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 5.24 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.524 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 24 mg/l

SULPHURIC ACID ...% (CAS: 7664-93-9)

Environmental compartment: Fresh water.
PNEC : 0.0025 mg/l

Environmental compartment: Sea water.
PNEC : 0.00025 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.002 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.002 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 8.8 mg/l

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)
Environmental compartment: Soil.
PNEC : 5 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.000214 mg/l

Environmental compartment: Sea water.
PNEC : 0.000021 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 1.692 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.1692 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 1.5 mg/l

HYDROCHLORIC ACID ...% (CAS: 7647-01-0)
Environmental compartment: Fresh water.
PNEC : 0.036 mg/l

Environmental compartment: Sea water.
PNEC : 0.036 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.045 mg/l

Environmental compartment: Marine sediment.
PNEC : 0.045 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 0.036 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

N/A

9.1. Information on basic physical and chemical properties

Physical state

Physical state :	Viscous liquid.

Colour

Unspecified

Odour

Odour threshold :	Not stated.

Melting point

Melting point/melting range :	Not specified.

Freezing point

Freezing point / Freezing range :	Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range :	Not specified.

Flammability

Flammability (solid, gas) :	Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.

Flash point

Flash point interval :	Not relevant.

Auto-ignition temperature

Self-ignition temperature :	Not specified.

Decomposition temperature

Decomposition point/decomposition range :	Not specified.

pH

pH :	1.00 +/-0.5. Strongly acidic.
pH (aqueous solution) :	Not stated.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Dilutable.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : 1.03+/-0.02

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

Mixture which by chemical action can corrode and even destroy metals.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

Avoid contact witb bases.

To be translated (XML)

10.6. Hazardous decomposition products

No data available.

SECTION 11 : TOXICOLOGICAL INFORMATION

N/A

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

Acute toxicity :

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)

Oral route :	LD50 = 1064 mg/kg Species : Rat
Dermal route :	LD50 > 2000 mg/kg

Species : Rat

SULPHURIC ACID ...% (CAS: 7664-93-9)

Oral route : LD50 = 2140 mg/kg
Species : Rat

Inhalation route (Dusts/mist) : LC50 = 375 mg/l

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

Oral route : LD50 < 2000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

HYDROCHLORIC ACID ...% (CAS: 7647-01-0)

Oral route : LD50 = 700 mg/kg
Species : Rat

Dermal route : LD50 > 5010 mg/kg
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 = 45.6 mg/l
Species : Rat
Duration of exposure : 4 h

Skin corrosion/skin irritation :

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

Corrosivity : Causes severe skin burns.
Species : Rabbit
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Respiratory or skin sensitisation :

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

Local lymph node stimulation test : Non-Sensitiser.
Species : Others
OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity :

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

No mutagenic effect.

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

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

12.1. Toxicity

12.1.1. Substances

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)

Fish toxicity :	LC50 > 0.1 mg/l Factor M = 10 Species : Danio rerio Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 > 0.01 mg/l Factor M = 10 Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) NOEC > 0.001 mg/l Factor M = 1 Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	ECr50 > 0.01 mg/l Factor M = 10 Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)

Fish toxicity :	LC50 = 2.67 mg/l Duration of exposure : 96 h Duration of exposure : 35 days
Crustacean toxicity :	EC50 = 3.1 mg/l Species : Daphnia magna Duration of exposure : 48 h Species : Daphnia magna Duration of exposure : 21 days
Algae toxicity :	ECr50 = 0.146 mg/l Duration of exposure : 72 h

SULPHURIC ACID ...% (CAS: 7664-93-9)

Fish toxicity :	LC50 = 16 mg/l Species : Lepomis macrochirus Duration of exposure : 96 h NOEC = 0.025 mg/l Species : Salvelinus fontinalis
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 48 h NOEC = 0.15 mg/l Species : Others

Algae toxicity : ECr50 = 100 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h

HYDROCHLORIC ACID ...% (CAS: 7647-01-0)
Fish toxicity : LC50 = 369 mg/l
Species : Brachydanio rerio
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 213 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)
Biodegradability : Rapidly degradable.

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)
Chemical oxygen demand : DCO = 3.88 g/g

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

OXYDE D'ALKYL DIMETHYLAMINE (CAS: 308062-28-4)
Octanol/water partition coefficient : log Koe = 2.7

BIS(2-HYDROXYETHYL) OLEYLAMINE (CAS: 25307-17-9)
Octanol/water partition coefficient : log Koe = 3.4

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

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.

SECTION 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 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

1760

14.2. UN proper shipping name

UN1760=CORROSIVE LIQUID, N.O.S.

(hydrochloric acid ...%, sulphuric acid ...%)

14.3. Transport hazard class(es)

- Classification :

8

14.4. Packing group

II

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	C9	II	8	80	1 L	274	E2	2	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	8	-	II	1 L	F-A. S-B	274	E2	Category B SW2	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	-	II	851	1 L	855	30 L	A3 A803	E2
	8	-	II	Y840	0.5 L	-	-	A3 A803	E2

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

- Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- less than 5 % : amphoteric surfactants
- less than 5 % : non-ionic surfactants
- perfumes
- allergenic fragrances :

citronellol

butylphenyl methylpropional

15.2. Chemical safety assessment

No data available.

SECTION 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 mixture must not be used for other uses than those specified in section 1 without having first obtained 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 in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefahrdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.