

SAFETY DATA SHEET

NET MACHINE

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name NET MACHINE
 Product number 102461

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

Identified uses Descaler

1.3. Details of the supplier of the safety data sheet

Supplier IPC
 10 Quai Malbert
 29218 BREST
 Tel: 02 98 43 45 44
 ipc@ipc-sa.com

1.4. Emergency telephone number

Emergency telephone IPC: Tel: 02 98 43 45 44 (Lundi-Vendredi: 9h-17h)
 National emergency telephone CENTRE ANTI-POISON France: +33 45 42 59 59 ORFILA (INRS) (FR) CENTRE ANTI-POISON DE
 number NANCY +33 (0)3 83 32 36 36

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified
 Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
 Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 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.
 P501 Dispose of contents/ container in accordance with national regulations.

Detergent labelling < 5% non-ionic surfactants

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Supplementary precautionary statements

P234 Keep only in original packaging.
 P264 Wash contaminated skin thoroughly after handling.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P390 Absorb spillage to prevent material damage.
 P406 Store in a corrosion-resistant/... container with a resistant inner liner.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<p>sulphamidic acid >80%</p> <p>CAS number: 5329-14-6 EC number: 226-218-8</p> <p>Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412</p>
<p>Fatty Alcohol Alkoxylate 1-3%</p> <p>CAS number: 61725-89-1 EC number: 612-360-1</p> <p>Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318</p>
<p>Dipotassium phosphate <1%</p> <p>CAS number: 7758-11-4 EC number: 231-834-5</p> <p>Classification Not Classified</p>

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if symptoms are severe or persist. Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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Inhalation	Dust is severely irritating to the upper respiratory system. Burns to mucous membranes Coughing.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth and throat.
Skin contact	Burns can occur.
Eye contact	May cause chemical eye burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Sweep up and shovel material into clean, dry container and cover. Wash thoroughly after dealing with a spillage. Neutralise with dilute alkaline material where possible. Inform authorities if large amounts are involved.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation. Avoid contact with the following materials: Alkalis. Moisture.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Non-combustible corrosive substances 8B

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

sulphamic acid

Long-term exposure limit (8-hour TWA): 1 mg/m³ 1 mg/m³

Dipotassium phosphate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit.

sulphamic acid (CAS: 5329-14-6)

DNEL Workers - Dermal; Long term systemic effects: 10 mg/kg/day
General population - Dermal; Long term systemic effects: 5 mg/kg/day

PNEC

- Fresh water; 0.048 mg/l
- marine water; 0.0048 mg/l
- Intermittent release; 0.48 mg/l
- STP; 2 mg/l
- Sediment (Freshwater); 0.173 mg/kg
- Sediment (Marinewater); 0.0173 mg/kg
- Soil; 0.00638 mg/kg

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID (CAS: 77-92-9)

PNEC

- Fresh water; 0.44 mg/l
- marine water; 0.044
- Sediment (Freshwater); 3.46 mg/kg sediment dw
- Sediment (Marinewater); 34.6 mg/kg sediment dw
- STP; 1000 mg/l
- Soil; 33.1 mg/kg soil dw

Potassium dihydrogen phosphate (CAS: 7778-77-0)

DNEL Workers - Inhalation; Long term systemic effects: 14.82 mg/m³
General population - Inhalation; Long term systemic effects: 6.35 mg/m³

PNEC

Fresh water; 0.05 mg/l
marine water; 0.005 mg/l
Intermittent release; 0.5 mg/l
STP; 50 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation if the airborne contamination exceeds occupational exposure limits

Eye/face protection Safety glasses with side-shields (EN 166).

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Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN14605)
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Use Dust Masks to BS2091 Type B or equivalent.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Granules.
Colour	White/off-white.
Odour	Characteristic.
pH	pH (diluted solution): <2 @ 1 %
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Alkalis.
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10.2. Chemical stability

Stability	Avoid the following conditions: Avoid contact with alkalis.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Moisture. Water.
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10.5. Incompatible materials

Materials to avoid	Alkalis - inorganic.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity - oral Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.

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Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Dust is severely irritating to the upper respiratory system. Burns to mucous membranes Coughing.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause chemical burns in mouth and throat.

Skin contact

Burns can occur.

Eye contact

May cause chemical eye burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

Acute and chronic health hazards

This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Route of exposure

Skin and/or eye contact
Ingestion
Inhalation

Toxicological information on ingredients.

SODIUM SULPHATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0

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Species	Rat
ATE oral (mg/kg)	2,001.0

Fatty Alcohol Alkoxylate

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,001.0
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Species	Rat
ATE oral (mg/kg)	2,001.0

Fumed silica

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	5,001.0
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Species	Rat
ATE oral (mg/kg)	5,001.0

Carcinogenicity

IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
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2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	5,001.0
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Species	Rat
ATE oral (mg/kg)	5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	2,001.0
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Species	Rat
ATE dermal (mg/kg)	2,001.0

Reproductive toxicity

Reproductive toxicity - development	Teratogenicity: - NOAEL: >241 mg/kg/day, Oral, Mouse
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Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 4000 mg/kg, Oral, Rat
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Potassium dihydrogen phosphate

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,001.0
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Species	Rat
ATE oral (mg/kg)	2,001.0

Acute toxicity - dermal

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Acute toxicity dermal (LD ₅₀ mg/kg)	2,001.0
Species	Rat
ATE dermal (mg/kg)	2,001.0

SECTION 12: Ecological information

Ecotoxicity Dangerous for the environment if discharged into watercourses. Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

sulphamic acid

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 70.3 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , : 71.6 mg/kg, Daphnia magna

SODIUM SULPHATE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 120 mg/l, Gambusia affinis (Mosquitofish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2564 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC10, 16 hours: >1000 mg/l, PSEUDOMONAS PUTIDA

Fatty Alcohol Alkoxylate

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >1-10 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - microorganisms	EC10, : >1000 mg/l, Activated sludge

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 48 hours: 440 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 1535 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 8 days: 425 mg/l, Scenedesmus quadricauda (Green algae)

Potassium dihydrogen phosphate

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Desmodium subspicatus

12.2. Persistence and degradability

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Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

Ecological information on ingredients.

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

Biodegradation - Degradation 97: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

2-HYDROXY-1,2,3-PROPANETRICARBOXYLICACID

Partition coefficient log Pow: -1.72

Dipotassium phosphate

Partition coefficient log Pow: -2

12.4. Mobility in soil

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

EURAL Code

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 2967

14.2. UN proper shipping name

Proper shipping name (ADR/RID) SULPHAMIC ACID, mixture

Proper shipping name (IMDG) SULPHAMIC ACID, mixture

Proper shipping name (ICAO) SULPHAMIC ACID, mixture

Proper shipping name (ADN) SULPHAMIC ACID, mixture

14.3. Transport hazard class(es)

ADR/RID class 8

Transport labels



14.4. Packing group

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ADR/RID packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

Danish product registration
number

Danish national regulations

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 IATA: International Air Transport Association.
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
 IMDG: International Maritime Dangerous Goods.
 CAS: Chemical Abstracts Service.
 ATE: Acute Toxicity Estimate.
 LC50: Lethal Concentration to 50 % of a test population.
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
 EC₅₀: 50% of maximal Effective Concentration.
 PBT: Persistent, Bioaccumulative and Toxic substance.
 vPvB: Very Persistent and Very Bioaccumulative.

Revision comments	Revision is due to addition of UFI number
Revision date	06/07/2021
Revision	6
Supersedes date	22/06/2020
SDS number	7167/23132
Hazard statements in full	H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.