



# ICE MACHINE CLEANER

Revision nr.6  
Dated 13/12/2022  
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EN

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Code: D8085  
Product name: ICE MACHINE CLEANER  
UFI: XCR1-A0EN-T003-D3UT

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

| Identified Uses | Industrial                      | Professional        | Consumer |
|-----------------|---------------------------------|---------------------|----------|
| DESCALER        | PROC: 7.<br>PC: 35.<br>LCS: IS. | PC: 35.<br>LCS: PW. | -        |

Uses Advised Against  
CONSUMER USE

#### 1.3. Details of the supplier of the safety data sheet

Name: A&G di Galantino Gerardo & C. s.a.s.  
Full address: Via Gianni Brera, 4/C  
District and Country: 27010 ZECCONE (PV)  
Italia  
Tel.: +39 0382 957120

e-mail address of the competent person responsible for the Safety Data Sheet: infoaeg@aegpavia.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to: UK: Call NHS 111 or a Doctor  
IRELAND: Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166  
ISLAND: 24 hours a day. Phone: +543 2222 or 112  
A list of Poison Control Centers is available at the following link:  
[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

|  |      |  |
|--|------|--|
| Eye irritation, category 2   | H319 | Causes serious eye irritation.                     |
| Skin irritation, category 2  | H315 | Causes skin irritation.                            |
| Specific target organ toxicity - single exposure, category 3       | H335 | May cause respiratory irritation.                  |
| Hazardous to the aquatic environment, chronic toxicity, category 3 | H412 | Harmful to aquatic life with long lasting effects. |



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## SECTION 2. Hazards identification ... / >>

### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Warning

Hazard statements:

|             |  |
|-------------|--|
| <b>H319</b> | Causes serious eye irritation.                     |
| <b>H315</b> | Causes skin irritation.                            |
| <b>H335</b> | May cause respiratory irritation.                  |
| <b>H412</b> | Harmful to aquatic life with long lasting effects. |

Precautionary statements:

|                  |  |
|------------------|--|
| <b>P261</b>      | Avoid breathing dust / fume / gas / mist / vapours / spray.      |
| <b>P280</b>      | Wear protective gloves / eye protection / face protection.       |
| <b>P312</b>      | Call a POISON CENTRE / doctor if you feel unwell.                |
| <b>P403+P233</b> | Store in a well-ventilated place. Keep container tightly closed. |
| <b>P264</b>      | Wash the skin thoroughly after use.                              |
| <b>P273</b>      | Avoid release to the environment.                                |

Contains: Citric acid

### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

### 3.2. Mixtures

Contains:

| Identification          | x = Conc. %           | Classification (EC) 1272/2008 (CLP)                                  |
|-------------------------|-----------------------|--|
| <b>Sulphamidic acid</b> |                       |  |
| INDEX                   | 016-026-00-0          | <b>Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412</b> |
| EC                      | 226-218-8             |  |
| CAS                     | 5329-14-6             |  |
| REACH Reg.              | 01-2119488633-28-XXXX |  |
| <b>Citric acid</b>      |                       |  |
| INDEX                   | 30 $\leq$ x < 39      | <b>Eye Irrit. 2 H319, STOT SE 3 H335</b>                             |
| EC                      | 201-069-1             |  |
| CAS                     | 77-92-9               |  |
| REACH Reg.              | 01-2119457026-42-XXXX |  |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.



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## SECTION 4. First aid measures ... / >>

**SKIN:** Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

### 5.2. Special hazards arising from the substance or mixture

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence of a source of ignition, it can create explosive mixtures with air. Fires may start or get worse by leakage of the solid product from the container, when it reaches high temperatures or through contact with sources of ignition.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.



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## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 11

### 7.3. Specific end use(s)

See the exposure scenarios attached to this safety datasheet.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory references:

DEU Deutschland Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56

#### Citric acid

##### Threshold Limit Value

| Type | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
|      |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| AGW  | DEU     | 2      |     | 4          |     | INHAL                  |

##### Predicted no-effect concentration - PNEC

|  |       |       |
|--|-------|-------|
| Normal value in fresh water                  | 0,44  | mg/l  |
| Normal value in marine water                 | 0,044 | mg/l  |
| Normal value for fresh water sediment        | 34,6  | mg/kg |
| Normal value for marine water sediment       | 3,46  | mg/kg |
| Normal value of STP microorganisms           | 1000  | mg/l  |
| Normal value for the terrestrial compartment | 33,1  | mg/kg |

#### Sulphamidic acid

##### Predicted no-effect concentration - PNEC

|  |      |       |
|--|------|-------|
| Normal value in fresh water                  | 1,8  | mg/l  |
| Normal value in marine water                 | 0,18 | mg/l  |
| Normal value for fresh water sediment        | 8,36 | mg/kg |
| Normal value for marine water sediment       | 0,84 | mg/kg |
| Normal value of STP microorganisms           | 20   | mg/l  |
| Normal value for the terrestrial compartment | 5    | mg/kg |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Effects on workers |             |                |               |                  |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      |                |               | 5                  |             |                |               |                  |
|                   |                      |                |               | mg/kg/d            |             |                |               |                  |
| Inhalation        |                      |                |               | 17,4               |             |                |               | 70,5             |
|                   |                      |                |               | mg/m3 4h           |             |                |               | mg/m3 4h         |
| Skin              |                      |                |               | 5                  |             |                |               | 10               |
|                   |                      |                |               | mg/kg bw/d         |             |                |               | mg/kg bw/d       |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
 VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.



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## SECTION 8. Exposure controls/personal protection ... / >>

During the risk assessment process, it is essential to take into consideration the ACGIH occupational exposure levels for particulate not otherwise classified (PNOC respirable fraction: 3 mg/m<sup>3</sup>; PNOC inhalable fraction: 10 mg/m<sup>3</sup>). For values above these limits, use a P type filter, whose class (1, 2 or 3) must be chosen according to the outcome of risk assessment. The above values are not TLVs, but guide values, to be used for particles that do not have their own TLV and that are insoluble or poorly soluble in water and have low toxicity.

### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

#### RESPIRATORY PROTECTION

Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Properties                             | Value           | Information          |
|--|-----------------|----------------------|
| Appearance                             | granular powder |                      |
| Colour                                 | white           |                      |
| Odour                                  | not available   |                      |
| Melting point / freezing point         | not available   |                      |
| Initial boiling point                  | not applicable  |                      |
| Flammability                           | not available   |                      |
| Lower explosive limit                  | not available   |                      |
| Upper explosive limit                  | not available   |                      |
| Flash point                            | not applicable  |                      |
| Auto-ignition temperature              | not available   |                      |
| Decomposition temperature              | not available   |                      |
| pH                                     | 1,03            | Concentration: 3,1 % |
| Kinematic viscosity                    | not available   |                      |
| Solubility                             | not available   |                      |
| Partition coefficient: n-octanol/water | not available   |                      |
| Vapour pressure                        | not available   |                      |
| Density and/or relative density        | 1               |                      |
| Relative vapour density                | not available   |                      |
| Particle characteristics               | not available   |                      |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Information not available

#### 9.2.2. Other safety characteristics

Information not available



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## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

The powders are potentially explosive when mixed with air.

### 10.4. Conditions to avoid

Avoid environmental dust build-up.

### 10.5. Incompatible materials

Information not available

### 10.6. Hazardous decomposition products

Information not available

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

#### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

#### Information on likely routes of exposure

Information not available

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

#### Interactive effects

Information not available

#### ACUTE TOXICITY

|                                  |   |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | Not classified (no significant component) |
| ATE (Oral) of the mixture:       | Not classified (no significant component) |
| ATE (Dermal) of the mixture:     | Not classified (no significant component) |

|                |                  |
|----------------|------------------|
| Citric acid    |                  |
| LD50 (Dermal): | > 2000 mg/kg Rat |
| LD50 (Oral):   | 5400 mg/kg Rat   |

|                |                     |
|----------------|---------------------|
| Sulphamic acid |                     |
| LD50 (Dermal): | > 2000 mg/kg Rabbit |
| LD50 (Oral):   | 3160 mg/kg Rat      |

#### SKIN CORROSION / IRRITATION



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## SECTION 11. Toxicological information ... / >>

Causes skin irritation

### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

### RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

### STOT - SINGLE EXPOSURE

May cause respiratory irritation

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

### 12.1. Toxicity

|                      |  |
|----------------------|--|
| Citric acid          |  |
| LC50 - for Fish      | 440 mg/l/96h <i>Leuciscus idus melanotus</i> |
| EC50 - for Crustacea | 1535 mg/l/48h <i>Daphnia magna</i>           |

|                                   |  |
|-----------------------------------|--|
| Sulphamidic acid                  |  |
| LC50 - for Fish                   | 70,3 mg/l/96h <i>Pimephales promelas</i>   |
| EC50 - for Crustacea              | 71,6 mg/l/48h <i>Daphnia magna</i>         |
| EC50 - for Algae / Aquatic Plants | 48 mg/l/72h <i>Desmodesmus subspicatus</i> |
| Chronic NOEC for Fish             | > 60 mg/l <i>Danio renio</i>               |
| Chronic NOEC for Crustacea        | 19 mg/l <i>Daphnia magna</i>               |

### 12.2. Persistence and degradability

Sulphamidic acid  
According to REACH, the study does not need to be conducted if the substance is inorganic (Annex VII, adaptation column 2).

|                    |                     |
|--------------------|---------------------|
| Citric acid        |                     |
| Rapidly degradable | 97%, OCSE 301B, 28d |

Sulphamidic acid  
Degradability: information not available



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## SECTION 12. Ecological information ... / >>

### 12.3. Bioaccumulative potential

Information not available

### 12.4. Mobility in soil

Information not available

### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

### 12.7. Other adverse effects

Information not available

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

### 14.1. UN number or ID number

ADR / RID, IMDG, IATA: 2967

### 14.2. UN proper shipping name

ADR / RID: SULPHAMIC ACID

IMDG: SULPHAMIC ACID

IATA: SULPHAMIC ACID

### 14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



### 14.4. Packing group

ADR / RID, IMDG, IATA: III



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## SECTION 14. Transport information ... / >>

### 14.5. Environmental hazards

ADR / RID: NO  
IMDG: NO  
IATA: NO

### 14.6. Special precautions for user

|            |                      |                          |                              |
|------------|----------------------|--------------------------|------------------------------|
| ADR / RID: | HIN - Kemler: 80     | Limited Quantities: 5 kg | Tunnel restriction code: (E) |
|            | Special provision: - |                          |                              |
| IMDG:      | EMS: F-A, S-B        | Limited Quantities: 5 kg |                              |
| IATA:      | Cargo:               | Maximum quantity: 100 Kg | Packaging instructions: 864  |
|            | Passengers:          | Maximum quantity: 25 Kg  | Packaging instructions: 860  |
|            | Special provision:   | A803                     |                              |

### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

## SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance  
Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors  
not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)  
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:  
None

Substances subject to the Rotterdam Convention:  
None

Substances subject to the Stockholm Convention:  
None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)  
WGK 1: Low hazard to waters

### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                          |  |
|--------------------------|--|
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2   |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2  |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.  |



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## SECTION 16. Other information ... / >>

**H335** May cause respiratory irritation.  
**H412** Harmful to aquatic life with long lasting effects.

Use descriptor system:

|             |    |  |
|-------------|----|--|
| <b>LCS</b>  | IS | Use at industrial sites                |
| <b>LCS</b>  | PW | Widespread use by professional workers |
| <b>PC</b>   | 35 | Washing and cleaning products          |
| <b>PROC</b> | 7  | Industrial spraying                    |

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology



# ICE MACHINE CLEANER

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Replaced revision:5 (Dated 03/02/2021)

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## SECTION 16. Other information ... / >>

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

### Changes to previous review:

The following sections were modified:

02 / 03 / 04 / 07 / 09 / 11 / 12 / 15 / 16 / Exposure Scenarios.