



Safety Data Sheet

DEFROSTING SPRAY 250 ml ELECTROLUX

Safety Data Sheet dated 7/2/2013, version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Mixture identification:

Trade name: DEFROSTING SPRAY 250 ml ELECTROLUX

Trade code: 9029792968

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

Recommended use:

Defrosting spray for refrigerators

1.3. Details of the supplier of the safety data sheet

Company:

AXOR SRL

Via dell'Artigianato 8

35020 Pernumia (PD)

Phone n. 0039 429763476

Competent person responsible for the safety data sheet:

axor@axor.net

1.4. Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

None.

R Phrases:

R10 Flammable.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

R Phrases:

R10 Flammable.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S25 Avoid contact with eyes.

S46 If swallowed, seek medical advice immediately and show this container or label.

List of all ingredients by decreasing weight, divided into percentage weight categories (Reg 648/2004EC Ann. VII, C).

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

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N.A.


3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

12.5% - 15% PROPAN-2-OL; ISOPROPYL ALCOHOL; ISOPROPANOLO

Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

F,Xi; R11-36-67

 2.6/2 Flam. Liq. 2 H225

 3.3/2 Eye Irrit. 2 H319

 3.8/3 STOT SE 3 H336

1% - 3% DIPROPYLENE GLYCOL METHYL ETHER

REACH No.: 01-2119450011-60-000, CAS: 34590-94-8, EC: 252-104-2

substance with a Community workplace exposure limit

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

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- 6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
- 7.3. Specific end use(s)
None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters
PROPAN-2-OL; ISOPROPYL ALCOHOL; ISOPROPANOL - CAS: 67-63-0
TLV TWA - 200 ppm, A4 - 491,53 mg/m³, A4
TLV STEL - 400 ppm, A4 - 983,07 mg/m³, A4
DIPROPYLENE GLYCOL METHYL ETHER - CAS: 34590-94-8
TLV TWA - 308 mg/m³ pelle
TLV STEL - 150 ppm pelle
- DNEL Exposure Limit Values
DIPROPYLENE GLYCOL METHYL ETHER - CAS: 34590-94-8
Worker Industry: 65 mg/kg - Exposure: Human Dermal Long Term, systemic effects
Worker Industry: 310 mg/kg - Exposure: Human Inhalation Long Term, systemic effects
Consumer: 15 mg/kg - Exposure: Human Dermal Long Term, systemic effects
Consumer: 37.2 mg/l - Exposure: Human Inhalation Long Term, systemic effects
Consumer: 1.67 mg/kg - Exposure: Human Oral Long Term, systemic effects
- PNEC Exposure Limit Values
DIPROPYLENE GLYCOL METHYL ETHER - CAS: 34590-94-8
Target: Fresh Water - Value: 19 mg/l



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Target: Marine water - Value: 1.9 mg/l
Target: Freshwater sediments - Value: 70.2 mg/kg
Target: Marine water sediments - Value: 7.02 mg/kg
Target: Soil (agricultural) - Value: 2.74 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance and colour:	COLOURLESS LIQUID
Odour:	NOTE ALCOHOLIC
Odour threshold:	N.A.
pH:	7.5 - 8.5
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	35 +/- 2 ° C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.95 - 0.99
Solubility in water:	SOLUBLE
Lipid solubility:	INSOLUBLE
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.

9.2. Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None



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- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

14.1. UN number

ADR-UN number: 1993

14.2. UN proper shipping name

ADR-Shipping Name: LIQUID FLAMMABLE

14.3. Transport hazard class(es)

ADR-Class: 3



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14.4. Packing Group

ADR-Packing Group: gr III

14.5. Environmental hazards

14.6. Special Precautions for User

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N.A.

The product has been classified, labeled and packaged in accordance with the requirements of ADR.

Dangerous goods packed in limited quantities, which complies with the provisions of Chapter 3.4, are entitled to special disposizioni (exemptions) from the ADR.

15. REGULATORY INFORMATION

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

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical Safety Assessment

No

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.



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DEFROSTING SPRAY 250 ml ELECTROLUX

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	N.A.