

Safety data sheet

Regulation (EC) No. 1907/2006 and (EC) 830/2015

Antistatic Spray



ENVIRO TECHNOLOGIES AB

Date: 2018-09-07

Version 1

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

1.1 Product identifier	Antistatic Spray
1.2 Relevant identified uses of the substance or mixture and uses advised against	Antistaticproduct
1.3 Details of the supplier of the safety data sheet	Enviro Technologies AB
Address	Hantverksvägen 1 436 33 Askim
Homepage / E-mail	info@enviro-technologies.se
Telephone	Tel nr +46 (31) 336 40 20 Fax nr +46 (31) 44 36 36
1.4 Emergency telephone number	Swedish poison information (in less acute cases during office hours) +46(0)10-4566700

SECTION 2: Hazards identification**2.1 Classification**

Classification CLP (1272/2008/EC)

Flammable liquids, Hazard Category 2: H225

Serious eye damage/eye irritation, Hazard Category 2: H319

2.2 Label elements**Pictogram****Signal Word:** Warning**Containing substances**

2-Propanol

Hazard statement Code(s)

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary statements

P102 Keep out of reach of children.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P501 Dispose of contents/container to an authorized waste treatment plant.

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

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SECTION 3: Composition/information on ingredients

3.2 Chemical composition: mixture

Components	CAS-No EC-No Reg-No	Conc. %	Hazard Class & Category Code*	Hazard statement Code(s)*
2-Propanol	67-63-0 200-661-7 -	5-10	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
Ethyl dimethylsoya Alkyl, Et Sulfates	68308-67-8 269-663-3 -	<1	Acute Tox 4 Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1	H302 H315 H318 H400 H410

* The full text of Hazard statement Codes are listed under section 16.

The classification is based on data from the chemical supplier and www.echa.europa.eu (databases)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give fluids or induce vomiting if patient is unconscious.

Keep person warm and calm.

Inhalation

Fresh air and rest.

Skin contact

Remove contaminated clothing. Wash with soap and water for several minutes and rinse the skin thoroughly.

Eye contact

Rinse immediately with lukewarm water for at least 10 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Contact a doctor if the complaints persist.

Ingestion

Rinse mouth with water and drink several glasses of water. Contact a doctor if the complaints persist.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:

None under normal circumstances.

Skin contact:

May cause slight skin irritation.

Eye contact:

Irritating to eyes. (Pain, redness)

Ingestion:

The product may cause irritation of the mucous membranes if swallowed with nausea as a consequence.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray, fog or mist, foam, powder, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Product is flammable.

Do not breath fumes as during fire, hazardous fumes may be formed.

5.3 Special protective equipment

Use an appropriate breathing apparatus and protective suites.

5.4 Additional information

The vapors are heavier than air and can spread along the ground.

Cool endangered containers with water in case of fire. Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with eyes.

Ensure adequate ventilation.

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

6.2 Environmental precautions

Do not flush large quantities of the product into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Small quantities may be wiped up with a cloth. Contain and absorb larger spillage with non-combustible materials e.g. sand, earth, vermiculite Flush afterwards with water.

6.4 Reference to other sections

See section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment.

Avoid contact with eyes.

Normal precautions taken when handling chemicals should be observed.

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from oxidizing and reducing agents.

Keep container tightly closed and protected from heat sources and direct sunlight.

Keep only in the original container in a cool, dry and well-ventilated place.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Provide adequate ventilation

Eyewash station should be provided.

Swedish limit values (AFS 2018:1)

Substance	CAS-no	Level limit value	Short term limit value	Note
2-Propanol	67-63-0	150 ppm 350 mg/m ³	250 ppm 600 mg/m ³	V

V = Indicative short-term limit value.

British limit values (EH40/2005)

Substance	CAS Number	Long-term exposure limit	Short-term exposure limit	Comments
2-Propanol	67-63-0	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³	

DNEL

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PNEC

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8.2 Exposure controls

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

Wash hands before breaks and after work.

Individual protection measures, such as personal protective equipment

Always consult a competent person/supplier when selecting personal protective equipment

Respiratory protection

Not normally required. In inadequately ventilated places or in case of creation of aerosols, wear suitable respiratory equipment approved for this purpose. (Filter Type A)

Hand protection

Use chemical-resistant gloves. (E.g. Nitrile rubber, PVC)

Eye protection

Wear tightly fitting protective goggles if there is a risk of direct contact.

Body protection

Normally not needed.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Liquid
Colour:	Colourless, light yellow.
Odour:	Alcoholic
Odour threshold:	Not determined
pH (konc):	Not determined
Melting point/freezing point (°C):	Not determined
Initial boiling point and boiling range:	Not determined
Flash point(°C):	41 (closed cup)
Evaporation rate(°C):	Not determined
Flammability (solid, gas):	Not determined
Upper flammability or explosive limits:	Not determined
Lower flammability or explosive limits:	Not determined
Vapour pressure(20°C):	Not determined
Vapour density:	Not determined
Relative density:	0,98
Solubility in water:	Soluble in water.
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined
VOC (Weight%)	<10,0

9.2 Other information

No specific.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable under recommended storage and handing conditions

10.2 Chemical stability

Stable under recommended handing conditions

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Keep away from heat, sparks and open flame.

10.5 Incompatible materials

Keep away from oxidizing and reducing agents.

10.6 Hazardous decomposition products

None known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

See section 4 as well. (Most important symptoms and effects, both acute and delayed)

Inhalation

None during normal use.

Skin contact

May cause slight skin irritation.

Eye contact

Irritant.

Ingestion

The product may cause irritation of the mucous membranes if swallowed with nausea as a consequence.

Toxicology data

Information/data about this preparation is not available.

Toxicology data for the containing components:

2-Propanol (67-63-0)	LD ₅₀ Oral rat: 5840 mg/kg (OECD 401) LD ₅₀ Dermal rabbit 24h: 16400 mg/kg (OECD 402) LC ₅₀ Inhalation Rat 6h:> 10000 ppm (OECD 403)
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STOT-single exposure -repeated exposure.

No known

Routes of exposure

Inhalation, eyes and skin, ingestion.

Allergenic potential

This product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

Aspiration hazard

None.

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Do not flush into surface water or sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components

2-Propanol (67-63-0)	LC ₅₀ Fish 96h: 9640-10000 mg/l Sp: Pimephals Promelas
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12.2 Persistence and degradability

2-Propanol (67-63-0): Determined to be biodegradable. BOD: 1.19 g O₂/g. COD: 2.23 O₂/g. ThOD 2.4 O₂/g

12.3 Bioaccumulative potential

2-Propanol (67-63-0): Low potential for bioaccumulation. Log Kow <4.

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Other adverse effects

No known.

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

This product or residues of this product are classified as hazardous waste.
Dispose of in accordance with local authority requirements.

Suggested EWC-code

20 01 29* detergents containing dangerous substances

Disposal of Packaging

Well cleaned packaging could be left for recycling

SECTION 14: Transport information**14.1 UN number**

1993

14.2 UN proper shipping name

FLAMMABLE LIQUID N.O.S. (ISOPROPANOL)

14.3 Transport hazard class(es)

3

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

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

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Tunnel restriction code

(D/E)

LQ

5L

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification according to CLP (1272/2008/EC)

Reach (1907/2006/EC)

15.2 Chemical safety assessment

None.

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SECTION 16: Other information**The full text of Hazard statement Codes listed under section 3:**

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with longlasting effects.

This information is provided for health and safety assessments by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation.

Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.echa.europa.eu (Databases)

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Abbreviations explanations

ADR: :International Carriage of Dangerous Goods by Road
BCF: Bio Concentration Factor
CAS-nr: Chemical Abstracts Service number
DNEL: Derived No Effect Level
EC₅₀: Effect Concentration
EG-nr: A substance number i Einecs, Elincs or in No-Longer Polymers List.
IMDG: International Maritime Dangerous Goods Code.
LC₅₀: Lethal Concentration
LD₅₀: Lethal Dose
IC₅₀: Median Inhibition Concentration
NOEC: No Observed Effect Concentration
PBT-substance: Persistent, Bio accumulative and Toxic substances.
PNEC: Predicted No Effect Concentration
vPvB-substance; Very persistent and Very Bio accumulative substances.