

Safety data sheet

Revision: 28-09-2015
Replaces: 22-11-2013
Version: 02.00/GBR

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

1.1. Product identifier

Trade name: Anti Static

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

Recommended uses: Impregnation agents.

1.3. Details of the supplier of the safety data sheet

Supplier: Guardian Protection Products A/S
Knudevejen 22
6600 Vejen
Denmark
Tel: +45 75471767
Fax: +45 75471787
Email: guardian@guardian.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification (Regulation (EC) No 1272/2008): Aerosol 1;H222 Aerosol 1; H229

Please see section 16 for the full text of H-phrases.

Most serious harmful effects: Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2. Label elements



Signal word: Danger

H-phrases: Extremely flammable aerosol.(H222)
Pressurised container: May burst if heated.(H229)

P-phrases: If medical advice is needed, have product container or label at hand.(P101)
Keep out of reach of children.(P102)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210)
Do not spray on an open flame or other ignition source.(P211)
Do not pierce or burn, even after use.(P251)
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.(P410/412)

2.3. Other hazards

Assessment to determine PBT and vPvB has not been made

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w% Note
.	64-17-5-a	ethanol	Flam. Liq. 2;H225	95-100 .
.	200-578-6	.	-	. .
.	124-38-9-liq	Carbon dioxide	Press. Gas liq. gas;H280	5-15 .
.	204-696-9

Please see section 16 for the full text of H-phrases.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Other information: When obtaining medical advice, show the safety data sheet or label.

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

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide. CAUTION! Aerosol containers may explode.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Wear safety goggles if there is a risk of eye splash. Provide adequate ventilation. Smoking and naked flames prohibited.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Wipe up drops and splashes with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking and naked flames prohibited. Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Use the product under well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
Carbon dioxide	5000 (8h), 15000 (15m) ppm	
ethanol	9150 (8h), 27400 (15m) mg/m3	
	1000 (8h), - (15m) ppm	
	1920 (8h), - (15m) mg/m3	

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Comments: Der mangler tekstUK#.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: .Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Not required.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Aerosol
Colour:	Clear
Odour:	Alcohol
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	12 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility:	Soluble in the following: Water.
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight). Avoid temperatures >50°C.

10.5. Incompatible materials

Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Spray mist in mouth may irritate mucous membranes in mouth and throat. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
Other toxicological effects:	None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available for all substances. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity:

64-17-5-a: Fish: Name of species not specified: 96hLC50 = 1300 mg/l

12.2. Persistence and degradability

Expected to be biodegradable. Test data are not available for all substances

64-17-5-a: Readily biodegradable.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment.

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

Aerosol sprays:

EWC code: 16 05 04 Gases in pressure containers containing dangerous substances.

Wiping cloths with organic solvents:

EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified),

SECTION 14: Transport information**ADR/RID****14.1. UN number** 1950**14.2. UN proper shipping name** AEROSOLS**14.3. Transport hazard class(es)** 2.1**14.4. Packing group** -

Hazard identification number -

Tunnel restriction code: D

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).**ADN**

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

14.4. Packing group -

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

Transport in tank vessels: -

IMDG

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

14.4. Packing group -

14.5. Environmental hazards The product is not a Marine Pollutant (MP).

IMDG Code segregation group: -

ICAO/IATA

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

14.4. Packing group -

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

Covered by: Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

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

Special provisions: Directive 2012/18/EU (Seveso), P3a FLAMMABLE AEROSOLS: Column 2: 150 (net) t, Column 3: 500 (net) t.

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 1-16

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Classification method:

Calculation based on the hazards of the known components.

H-phrases:

H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure, may explode if heated.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.
