



Material Safety Data Sheet

According to CE 1907/2006/CE Regulation, attachment I

Substance: Aerosol

Stand: 17.04.2013 Rev.-Nr. 01

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product identifier	
Trade name: IS-2000-P / disinfectant perfumed / 9884993	
Identification of the product: Aerosol	
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Use: For professional use only.	
1.3 Details of the supplier of the safety data sheet	
REFCO Manufacturing Ltd. Industriestrasse 11 6285 Hitzkirch Switzerland Ttel. +41 41 919 72 82 Fax + 41 41 919 72 83 Mail: info@refco.ch	
1.4 Emergency telephone number	
Schweizerisches Toxikologisches Informationszentrum Zurich Telephone number in urgent matters: 145 or +41 44 251 51 51 Not urgent matters: +41 44 251 66 66	
2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
Classification EC 67/548 or EC 1999/45	
Hazard Class and Category Code Regulation EC 1272/2008 (CLP)	
Not applicable.	
2.2 Label elements	
Labeling EC 67/548 or EC 1999/45	
• Symbol(s):	None. European labeling for Dangerous preparation: Directive 1999/45/CE.
• R Phrase(s):	None.
• S Phrase(s):	S2: Keep out of the reach of children. S23: Do not breathe the gas, fumes, vapors, spray. S51: Use only in well-ventilated areas.
Contains:	Composés de l'ion ammonium quaternaire, alkyl en C8-18 benzyldiméthyles, chlorures (N° CAS 63449-41-2) : 0.88% m/m
Safety advises:	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Use for intended purposes only.
Other:	TP2 - For professional use only.
2.3 Other hazards	
None under normal conditions.	

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is not considered to be hazardous but contains hazardous components.

Substance name	Value(s)	CAS no.	EINECS nr.	EC Index	REACH	Classification
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	< 1 %	63449-41-2	264-151-6	612-140-00-5	--	Xn; R21/22 C; R34 N; R50
Protoxyde d'azote		10024-97-2	233-032-0	--	--	--

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Allow the victim to rest.

Skin contact

For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water.

Eye contact

In case of eye contact, immediately rinse with clean water for 10-15 minutes. Seek medical attention if irritation develops.

Ingestion

Rinse mouth. DO NOT INDUCE VOMITING. Allow the victim to rest. Seek medical advice (show the label where possible).

4.2 Most important symptoms and effects, both acute and delayed Symptoms relating to use

Inhalation

Inhalation of vapors may cause respiratory irritation.

Skin contact

Avoid contact with skin.

Eye contact

Avoid contact with eyes.

Ingestion

Ingestion unlikely.

4.3 Indication of any immediate medical attention and special treatment needed

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5. FIREFIGHTING MEASURES	
5.1 Extinguishing media	Extinguishing media
5.2 Special hazards arising from the substance or mixture	
Special exposure hazards:	Avoid (reject) fire-fighting water to enter environment.
5.3 Advice for fire-fighters	
Flammable class:	Not flammable.
Protection against fire:	Do not enter fire area without proper protective equipment, including respiratory protection.
Prevention:	No naked lights. No smoking.
Special procedures:	Exercise caution when fighting any chemical fire.
Surrounding fires:	During a fire, projections ignited aerosol that burst under excessive pressure has to be controlled. To avoid overpressure, cool aerosols with water. Use water spray to cool exposed surfaces.
6. ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
General precautions:	No smoking. Ventilate area. Remove ignition sources.
Personal precautions:	Evacuate and limit access. Equip cleanup crew with proper protection.
6.2. Environmental precautions	
Environmental precautions:	Prevent entry to sewers and public waters.
6.3 Methods and material for containment and cleaning up	
After spillage and/or leakage:	Flush with plenty of water.
6.4. Reference to other sections	--
7. HANDLING AND STORAGE	
7.1 Precautions for safe handling	
General:	During the handling of a pallet, you have to take all precaution to avoid a start of an accident perforation of the aerosol by a fork-lift truck. During the load and unloading of the vehicle, you have to take all the precaution to avoid a fall an aerosol. Do not spray the aerosol neither close nor towards a flame, a white-hot body, an electrical appliance in running, DO NOT SMOCKING. Do not breathe gas, fumes, vapor or spray. Use for intended purposes only.
Handling:	Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

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7. HANDLING AND STORAGE (continue)

Technical protective measures: Proper grounding procedures to avoid static electricity should be followed. Use grounded electrical/mechanical equipment.

Precautions in handling and storage: Container under pressure. Do not drill or burn even after use.
Good ventilation of the workplace required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep at temperature not exceeding 50 °C.
Store in dry, well-ventilated area.
These recommendations have to be applying in warehouse and stockrooms aerosols are stored.
It is advised to differentiate the aerosols in the stock. The "aerosol area" must be delimited by a 5cm at the latest wire netting cage or a wall to avoid discharges which would set fire to the rest of the stock.
DO NOT SMOCKING
To limit falling risks, it is advisable to put the pallets as close as possible of the floor. If they are moved, it is advisable to make sure that the lower layer is not crushing - Leaking risks by compression.

It is advised :
To ventilate the premises and to not store aerosols near to a source of heat and so does for the rays of sunshine's.
To use the fire procedures in case of works.
Protect from freezing.

Storage - away from: Open flame.
Direct sunlight.
Sparks.
Heat.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

Substance name	CAS no.	MAK	TWA
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	63449-41-2	---	---
Protoxyde d'azote	10024-97-2	182 mg/m ³ 100 ml/m ³	364 mg/m ³ 200 ml/m ³ (NIOSH)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

8.2 Exposure controls

Personal protection

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Skin protection: Skin protection appropriate to the conditions of use should be provided.

Eye protection: Eye protection should only be necessary where liquid could be splashed or sprayed.



Hand protection: Gloves.



Ingestion: When using, do not eat, drink or smoke.

Industrial hygiene: Provide local exhaust or general room ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless to light yellow
Odour	Mint - Chlorophylle
Odour threshold	-
pH	7.5
Melting point /freezing point	-
Initial boiling point and boiling range	-
Flash point	-
Evaporation rate	-
Flammability (solid, gas)	-
Upper/lower flammability or explosive limits	-
Vapour pressure	-
Vapour density at 20°C	-
Density	1
Solubility (ies)	Complete
Partition coefficient: n-octanol/water (log POW)	-
Auto-ignition temperature	-
Decomposition temperature	-
Viscosity	-
Explosive properties	-
Oxidising properties	-

9.2 Other information

Others: Aerosol pressure at 20°C: 6.5 Bars.



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10. STABILITY AND REACTIVITY

10.1 Reactivity

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10.2 Chemical stability

None under normal conditions.

10.3 Possibility of hazardous reactions

None under normal conditions.

10.4 Conditions to avoid

Heat
Direct sunlight
Freezing
Open flame
Sparks

10.5 Incompatible materials

-

10.6 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Dermal: Moderate skin and eyes irritant.
Inhalation: Inhalation of vapors may cause respiratory irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecological effects information: Avoid release to the environment.

12.2 Persistence and degradability

> 90 % pas de potentiel de bioaccumulation dans les sols et/ ou atmosphère.

12.3 Bio accumulative potential

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12.4 Mobility in soil

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12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal: Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.
Dispose used or damaged aerosol cans at permitted disposal sites.

14. TRANSPORT INFORMATION

14.1 UN-Number

General information: Aerosols may benefit of exoneration of labeling for transport and declaration on limited quantities.

UN number: **1950**

14.2 UN proper shipping name:

Shipping name: UN1950 AÉROSOLS, 2.2, 5A, (E)

UN proper shipping name: UN1950 AÉROSOLS, 2.2, 5A, (E)

14.3 Transport hazard class(es)



Hazard Label(s): 2.2

Land transport

- ADR/RID: Group : A

Class : 2

- H.I. nr: --

Transport hazard class(es): 2

Sea transport

- IMO-IMDG: Class 2

- IMDG-Marine pollution: YES

- EMS-Nr: F-D S-U

Air transport

- ICAO/IATA: Packaging instructions cargo : 203
Packaging instructions passenger: 203

- Proper shipping name: AEROSOLS

- IATA: 2

IATA Packing group: A

14.4 Packing Group

Packing group: A

IMO Packing group: A

14.5 Environmental hazards

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14. TRANSPORT INFORMATION (continue)	
14.6 Special precautions for users -	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not concerned	
15. REGULATORY INFORMATIONS	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Flammability determined by the Aerosol Directive 2008/47/CE April 8, 2008.	
15.2 Chemical safety assessment -	
16. OTHER INFORMATION	
Text of R-Phrases in § 3:	R21/22: Harmful in contact with skin and if swallowed. R34: Causes burns. R50: Very toxic to aquatic organisms.
Further information:	Imp. DL4
Print date:	17.04.2013
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