

SOLUTION ANTIBACTERIENNE - 0034FR2/1

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SOLUTION ANTIBACTERIENNE

Product code : 0034FR2/1.

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

BIOCIDE

1.3. Details of the supplier of the safety data sheet

Registered company name : FABRICATION CHIMIQUE ARDECHOISE.

Address : LES ILES FERAYS.07300.TOURNON cedex.FRANCE.

Telephone : 04-75-07-82-10. Fax : 04-75-07-16-89.

menager@fareva.com

<http://www.fareva.com/>

1.4. Emergency telephone number : +33 (0)1.45.42.59.59.

Association/Organisation : INRS/ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Non-flammable aerosol, Category 3 (Aerosol 3, H229).

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal mixture (see section 15).

Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Signal Word :

WARNING

Additional labeling :

9.2% by mass of the contents are flammable.

Hazard statements :

H229

Pressurised container: May burst if heated.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P210

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

P251

Do not pierce or burn, even after use.

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P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
Precautionary statements - Storage :	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Precautionary statements - Disposal :	
P501	Dispose of contents/container in accordance with national regulations.
Other information :	
	Keep away from food, drink and animal feedingstuffs.
	Do not use for any purpose other than the one for which it is intended.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 603_002_005A CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	F F;R11	[1]	2.5 \leq x % < 10
ETHANOL				
INDEX: A18472510 CAS: 18472-51-0 EC: 242-354-0	GHS05, GHS09 Dgr Eye Dam. 1, H318 Aquatic Acute 1, H400 M Acute = 10	Xi,N Xi;R41 N;R50		0 \leq x % < 1
ACIDE D-GLUCONIQUE, COMPOSÉ AVEC N,N"-BIS(4-CHLOROPHÉNYL)-3,12-DIIMINO -2,4,11,13-TÉTRA AZATÉTRADÉCANEDIAMI DINE (2:1)				

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

If inhaled, move the patient to fresh air and keep warm and at rest

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment

In the event of splashes or contact with skin :

For feeling of irritation, rinse abundantly with water. And to consult a dermatologist if the feeling persists.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

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If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.
In the event of ingestion, to consult a doctor or to contact a processing center of the intoxications

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

Eliminate the fire in the zone.

The pouring can bring the surfaces slippery.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Use some absorbent.

The elimination must be carried out by a registered salvage professional.

6.4. Reference to other sections

No data available.

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SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

- Always wash hands after handling.
- Ensure that there is adequate ventilation, especially in confined areas.
- Do not eat or drink during the use.
- Pulverise by short pressions, without prolonged pulverisation.
- Do not inhale steams.
- Do not smoke.
- Do not mix with another's chemical products.
- Follow hygiene and security pressurized container rules.
- Follow hygiene and security biocidal rules.

Fire prevention :

- Handle in well-ventilated areas.
- Do not pierce or burn, even after use.
- Prevent access by unauthorised personnel.

Recommended equipment and procedures :

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.
- Do not breathe in aerosols.
- Packages which have been opened must be reclosed carefully and stored in an upright position.
- Keep the original packing. Do not pierce or burn even after use.
- Follow the hygiene and security rules.
- Rules of storage and manipulation applicable to the gas under pressure.
- Use only in well-ventilated premises.
- Keep away from heat

Prohibited equipment and procedures :

- No smoking, eating or drinking in areas where the mixture is used.
- Do not use under tension.
- Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

- Keep out of reach of children.
- Keep the container tightly closed in a dry, well-ventilated place.
- The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
- N/A

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- France (INRS - ED984 :2008) :

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CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84
- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :						
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
64-17-5	1000 ppm	-	-	-	-	

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

In the event of contact with the eyes, to rinse abundantly
consult an ophthalmologist if feeling of irritation.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

a important use of the product can create cutaneous reactions for reactive people

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

If case of cutaneous intolerances, to consult a dermatologist

- Respiratory protection

Do not use in closed and not ventilated space

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Fluid liquid.
Spray.

Important health, safety and environmental information

pH : Not stated.
Neutral.

Boiling point/boiling range : 78 °C.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density : < 1

Water solubility : Dilutable.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

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9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

STRONGS OXYDISING AGENTS

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

Frequents contacts or prolonged ones can cause irritations.

In the event of ingestion, to consult a doctor or to contact a processing center of the intoxications

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Serious damage to eyes/eye irritation :

ETHANOL (CAS: 64-17-5)

Causes serious eye irritation.

Corneal haze :

1 <= Average score < 2 and effects totally reversible within 21 days of observation

Conjunctival redness :

2 <= Average score < 2.5 and effects totally reversible within 21 days of observation

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Do not reject in natural environment.

12.1. Toxicity

12.1.1. Substances

ACIDE D-GLUCONIQUE, COMPOSÉ AVEC

N,N"-BIS(4-CHLOROPHÉNYL)-3,12-DIIMINO-2,4,11,13-TÉTRAAZATÉTTRADÉCANEDIAMIDINE (2:1) (CAS: 18472-51-0)

Fish toxicity :

LC50 = 13.4 mg/l

Crustacean toxicity :

EC50 = 0.087 mg/l

Factor M = 10

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Algae toxicity : Species : Daphnia magna
ECr50 = 0.081 mg/l
Factor M = 10

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

ACIDE D-GLUCONIQUE, COMPOSÉ AVEC
N,N"-BIS(4-CHLOROPHÉNYL)-3,12-DIIMINO-2,4,11,13-TÉTRAZATÉTÉTRADÉCANEDIAMIDINE (2:1) (CAS:
18472-51-0)

Biodegradability : Fast degrading.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Aerosol do not pierce or burn after use

CONSIGN TO AN APPROVED COLLECTOR. CONSULT THE PREFECTORAL ORDERS IN FORCE.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, asphyxiant

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14.3. Transport hazard class(es)

- Classification :



2.2

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5A	-	2.2	-	1 L	190 327 344 625	E0	3	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	2.2	See SP63	-	See SP277	F-D,S-U	63 190 277 327 344 959	E0

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.2	-	-	203	75 kg	203	150 kg	A98 A145 A167 A802	E0
	2.2	-	-	Y203	30 kg G	-	-	A98 A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

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

No data available.

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Directive 75/734/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

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- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC) :

Name	CAS	%	Product-type
ACIDE D-GLUCONIQUE, COMPOSÉ AVEC N,N"-BIS(4-CHLOROPHÉNYL)-3,12-DIIMINO-2,4,11,13-TÉTRA AZATÉTRADÉCANEDIAMINE (2:1)	18472-51-0	1.93 g/kg	01
ETHANOL	64-17-5	92.36 g/kg	01

Product-type 1 : Human hygiene.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Contains :

9.2% by mass of the contents are flammable.

Safety phrase :

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

S 51

Use only in well-ventilated areas.

S 2

Keep out of the reach of children.

Pulverise by short pressions, without prolonged pulverisation.

Do not use for any purpose other than the one for which it is intended.

S 46

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

S 13

Keep away from food, drink and animal feedingstuffs.

S 20/21

When using do not eat, drink or smoke.

S 29

Do not empty into drains.

Title for H, EUH and R indications mentioned in section 3 :

H225

Highly flammable liquid and vapour.

H318

Causes serious eye damage.

H319

Causes serious eye irritation.

H400

Very toxic to aquatic life.

R 11

Highly flammable.

R 41

Risk of serious damage to eyes.

R 50

Very toxic to aquatic organisms.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).