

LEAK AWAY - M09006

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 : LEAK AWAY

Product code : M09006.

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

LEAK DETECTOR

1.3. Details of the supplier of the safety data sheet

Registered company name : GFF.

Address : 12 rue des Frères Lumière.69720.SAINT BONNET DE MURE.FRANCE.

Telephone : 04 72 48 35 13. Fax : 04 72 48 30 20 .

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 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

Mixture for aerosol application.

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

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.
S 23	Do not breathe spray
	Do not spray on a naked flame or any incandescent material.
S 46	If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

No data available.

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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 603-053-00-3 CAS: 107-41-5 EC: 203-489-0 REACH: 01-2119539582-35 2-METHYLPENTANE-2,4-DIOL	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315	Xi Xi;R36/38	[1]	1 <= x % < 2.5
CAS: 10024-97-2 EC: 233-032-0 REACH: 01-2119430456-42 OXYDE DE DIAZOTE			[1]	1 <= x % < 2.5
INDEX: 613-028-00-9 CAS: 110-91-8 EC: 203-815-1 REACH: 01-2119496057-30 MORPHOLINE	GHS02, GHS05, GHS07, Dg 226 Acute Tox. 4, H332 Acute Tox. 4, H312 Acute Tox. 4, H302 Skin Corr. 1B, H314	C C;R34 Xn;R20/21/22 R10	[1]	0 <= x % < 1
CAS: 34590-94-8 EC: 252-104-2 REACH: 01-2119450011-60 (2-MÉTHOXYMÉTHYLETHOXY)PROPANO L			[1]	0 <= x % < 1
INDEX: 007-010-00-4 CAS: 7632-00-0 EC: 231-555-9 REACH: 01-2116471836-27 SODIUM NITRITE	GHS03, GHS06, GHS09 Dgr 272.3 Acute Tox. 3, H301 Aquatic Acute 1, H400	T,N,O T;R25 N;R50 O;R8		0 <= x % < 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 a large quantity is inhaled, move the patient into the fresh air and keep him / her warm and still.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 10 minutes holding the eyelids open.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

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In the event of swallowing :

Seek medical attention, showing the label.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water or e recognised cleaner. If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

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

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)
- nitrogen oxide (NO)
- nitrogen dioxide (NO2)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

Handle in well-ventilated areas.

For fire-fighters

Fire-fighters 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.

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6.4. Reference to other sections

No data available.

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.

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No smoking.

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Apply in short pulses, without pressing down for lon periods.
Do not breathe spray.

Fire prevention :

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.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Stock between +5°C and + 30°C in well ventlated area.

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Storage

Keep out of reach of children.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

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 :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
107-41-5	-	-	25 ppm	-	-
10024-97-2	50 ppm	-	-	-	-
110-91-8	20 ppm	-	-	-	-
34590-94-8	100 ppm	150 ppm	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
10024-97-2	100 ml/m3	180 mg/m3	2(II)	DFG
110-91-8	10 ml/m3	36 mg/m3	2(I)	DFG, H, 6
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG, EU

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
107-41-5	-	-	25	125	-	84
110-91-8	10	36	20	72	-	-
34590-94-8	50	308	-	-	*	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
107-41-5	25 ppm	25 ppm	-	-	-
10024-97-2	100 ppm	-	-	-	-
110-91-8	20 ppm	30 ppm	-	-	-
34590-94-8	50 ppm	-	-	-	-

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

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CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
110-91-8	36	10	72	20	-
34590-94-8	308	50	-	-	Peau

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



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.

Recommended protection.

- 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)

- 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.

- Respiratory protection

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149.

Category :

FFP1, FFP2 or FFP3

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- NOP3 (Blue + white)

Handling in well ventilated area.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :

fluid liquid.

spray

spray.

booster

Spray : Pressure to 20°C : 6.0 bars

Compressed gas colourless and weak odour. Exposed characteristics : -

Important health, safety and environmental information

pH :

Not relevant.

Flash point interval :

not relevant.

Vapour pressure (50°C) :

not relevant.

Density :

> 1

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Water solubility : Soluble.

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.

Avoid storing more than 2 years

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost

Keep away from oxydizing agent, acids or base

Keep away from sources of ignition.

10.5. Incompatible materials

Keep away from oxydizind agent.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

- nitrogen oxide (NO)

- nitrogen dioxide (NO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Skin corrosion/skin irritation :

May cause irritation.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

- Probably harmful to aquatic organisms.

12.1.1. Substances

No aquatic toxicity data available for the substances.

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Soluble in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

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

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 2011 - IMDG 2010 - ICAO/IATA 2011).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, asphyxiant

14.3. Transport hazard class(es)

- Classification :



2.2

14.4. Packing group

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14.5. Environmental hazards

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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	SP63	-	See SP277	F-D,S-U	63 190 277 327 959	E0

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

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

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK) :

Germany : WGK 1 (VwVwS vom 27/07/2005, KBws)

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.

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

H226	Flammable liquid and vapour.
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
R 10	Flammable.
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 25	Toxic if swallowed.
R 34	Causes burns.

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R 36/38	Irritating to eyes and skin.
R 50	Very toxic to aquatic organisms.
R 8	Contact with combustible material may cause fire.

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).