



# Black Gasket Maker (Aerosol)

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

MSDS Version: E03.00

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Blend Version: 4

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Black Gasket Maker (Aerosol)  
Product code : W57680

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Instant gasket maker  
Function or use category : Aerosol propellants

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Wynn's Belgium  
Industriepark-West 46  
9100 Sint-Niklaas - Belgium  
T +32 3 766 60 20 - F +32 3 778 16 56  
[msds@wynns.eu](mailto:msds@wynns.eu) - [www.wynns.be](http://www.wynns.be)

#### 1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 3 H229  
Skin Irrit. 2 H315  
Eye Irrit. 2 H319

Full text of H-statements: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H229 - Pressurised container: May burst if heated  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation

Precautionary statements (CLP) : P102 - Keep out of reach of children  
P280 - Wear protective gloves, 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  
P251 - Do not pierce or burn, even after use  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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### 2.3. Other hazards

Other hazards not contributing to the classification : When processed: release of corrosive gases/vapours (acetic acid vapours).

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% w	Classification according to Directive 67/548/EEC
Norflurane (HFC R134a)	(CAS No) 811-97-2 (EC no) 212-377-0 (REACH-no) 01-2119459374-33	1 - 10	Not classified
methylsilanetriyl triacetate	(CAS No) 4253-34-3 (EC no) 224-221-9 (REACH-no) 01-2119962266-32	1 - 10	Xn; R22 C; R34 R14
triacetoxylethylsilane	(CAS No) 17689-77-9 (EC no) 241-677-4 (REACH-no) 01-2119881778-15	1 - 10	C; R34 Xn; R22 R14

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Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Victim conscious with laboured breathing: half-seated. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Vomiting: prevent asphyxia/aspiration pneumonia. Victim in shock: on his back with legs slightly raised. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. On heating: formation of small quantities of formaldehyde.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Vapours may cause delayed painful eye irritation and tearing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.

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

Symptoms/injuries after skin contact	: May cause slight irritation.
Symptoms/injuries after eye contact	: Redness of the eye tissue. May cause severe irritation.

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

No additional information available

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing agents can be used.
- Unsuitable extinguishing media : None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not classified as flammable aerosol.
- Explosion hazard : Product is not explosive. Pressurised container: May burst if heated.
- Reactivity : Polymerises on exposure to water (moisture).

#### 5.3. Advice for firefighters

- Firefighting instructions : Physical explosion risk: extinguish/cool from behind cover.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable gloves and eye/face protection. protective clothing.
- Emergency procedures : Mark the danger area. Close doors and windows of adjacent premises. Exposure to fire/heat: keep upwind. Wash contaminated clothes. Avoid contact with skin, eyes and clothing.

##### 6.1.2. For emergency responders

- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Scoop absorbed substance into closing containers. Wash clothing and equipment after handling.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Avoid contact with skin and eyes. Pressurized container: Do not pierce or burn, even after use.
- Precautions for safe handling : meet the legal requirements. Provide good ventilation in process area to prevent formation of vapour. Presents no particular risk when handled in accordance with good occupational hygiene practice.
- Hygiene measures : Observe normal hygiene standards. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep out of frost.
- Storage temperature : 5 - 25 °C
- Heat and ignition sources : Keep away from heat.
- Storage area : Meet the legal requirements. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.
- Special rules on packaging : meet the legal requirements. correctly labelled.
- Packaging materials : Pressurised small gas containers (aerosol cans).

#### 7.3. Specific end use(s)

Adhesives, sealants.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Norflurane (HFC R134a) (811-97-2)**

France VME (mg/m<sup>3</sup>)

4420 mg/m<sup>3</sup>

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### Norflurane (HFC R134a) (811-97-2)

France	VME (ppm)	1000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	4200 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m <sup>3</sup> )	33600 mg/m <sup>3</sup>
Germany	TRGS 900 Limitation of exposure peaks (ppm)	8000 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	4240 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm

### 8.2. Exposure controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment

: Gloves. Safety glasses. Protective clothing.



Hand protection

: PVC (Polyvinyl chloride). nitrile. neoprene. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer.

Respiratory protection

: Provide adequate ventilation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol. Paste.
Colour	: Black.
Odour	: Acetic acid.
Odour threshold	: No data available
pH	:
Relative evaporation rate (butylacetate=1)	: No data available
refraction index	:
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 270 °C
Flash point	: 227 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1,01
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: No data available
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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### 9.2. Other information

Additional information

: Physical and chemical properties of the active product without gas. The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Polymerises on exposure to water (moisture).

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting.

### 10.4. Conditions to avoid

Heat. Moisture.

### 10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

### 10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide. Burning produces stinking and toxic fumes. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### **methylsilanetriyl triacetate (4253-34-3)**

ATE CLP (oral) 500,000 mg/kg bodyweight

#### **triacetoxymethylsilane (17689-77-9)**

ATE CLP (oral) 500,000 mg/kg bodyweight

#### **Norflurane (HFC R134a) (811-97-2)**

LC50 inhalation rat (ppm) 567000 ppm/4h

ATE CLP (gases) 567000,000 ppmv/4h

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Norflurane (HFC R134a) (811-97-2)**

LC50 fish 1 450 mg/l

EC50 Daphnia 1 930 mg/l

### 12.2. Persistence and degradability

#### **Black Gasket Maker (Aerosol)**

Persistence and degradability biodegradable.

#### **methylsilanetriyl triacetate (4253-34-3)**

Persistence and degradability Biodegradability in water: no data available.

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### triacetoxymethylsilane (17689-77-9)

Persistence and degradability

Readily biodegradable in water. No (test) data on mobility of the substance available.

### 12.3. Bioaccumulative potential

#### Black Gasket Maker (Aerosol)

Bioaccumulative potential

No indication of bioaccumulation potential.

#### methoxymethyltriacetate (4253-34-3)

Bioaccumulative potential

Low potential for bioaccumulation (Log Kow < 4).

#### triacetoxymethylsilane (17689-77-9)

Bioaccumulative potential

Low potential for bioaccumulation (Log Kow < 4).

#### Norflurane (HFC R134a) (811-97-2)

Log Pow

1,06

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Norflurane (HFC R134a) (811-97-2)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations

: Container under pressure. Do not drill or burn even after use. Remove to an authorized waste treatment plant.

European List of Waste (LoW) code

: 15 01 11\* - metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)

: 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)

: AEROSOLS

Transport document description (ADR)

: UN 1950 AEROSOLS, 2.2, (E)

### 14.3. Transport hazard class(es)

Class (ADR)

: 2

Danger labels (ADR)

: 2.2



### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information

: No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR)

: 5A

Special provisions (ADR)

: 190, 327, 344, 625

Transport category (ADR)

: 3

Tunnel restriction code (ADR)

: E

Limited quantities (ADR)

: 1I

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Excepted quantities (ADR) : E0

### 14.6.2. Transport by sea

EmS-No. (1) : F-D, S-U

### 14.6.3. Air transport

Instruction "cargo" (ICAO) : 203

Instruction "passenger" (ICAO) : 203/Y203

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Black Gasket Maker (Aerosol) is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

Water hazard class (WGK) : 1 - low hazard to waters

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). according to Regulation (EU) 2015/830.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 3	Aerosol, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H229	Pressurised container: May burst if heated
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
R14	Reacts violently with water
R22	Harmful if swallowed
R34	Causes burns
C	Corrosive
Xn	Harmful

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*