



Black Gasket Maker (Aerosol)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

MSDS Version: E05.01

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Blend Version: 6

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 - www.wynns.com

1.4. Emergency telephone number

Emergency number : BIG: +32(0)14/58.45.45 (NL FR EN DE)

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 hazard classes and H-statements : see section 16

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.

2.3. Other hazards

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

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classification

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze)	(CAS-No.) 29118-24-9 (EC-No.) 471-480-0 (REACH-no) 01-0000019758-54	1 - 5	Press. Gas (Liq.), H280
methylsilanetriyl triacetate	(CAS-No.) 4253-34-3 (EC-No.) 224-221-9 (REACH-no) 01-2119962266-32	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314
triacetoxethylsilane	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4 (REACH-no) 01-2119881778-15	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

Full text of 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. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
- 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/doctor if you feel unwell.
- 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 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Vapours may cause delayed painful eye irritation and tearing. Consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do NOT induce vomiting. Give water to drink if victim completely conscious/alert. Immediately call a POISON CENTER/doctor.

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

- Symptoms/effects after inhalation : Irritation to throat.
- Symptoms/effects after skin contact : May cause irritation to skin. Red skin.
- Symptoms/effects after eye contact : Causes serious eye irritation. redness, itching, tears. Causes serious eye damage.

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

No additional information available

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.

5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Cool closed containers exposed to fire with water spray.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : In case of fire, corrosive and harmful gases come free.

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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. Keep upwind. Avoid contact with skin, eyes and clothing. In confined space use self-contained breathing apparatus. Take off contaminated 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. Shovel or sweep up and put in a closed container for disposal. Dispose in a safe manner in accordance with local/national regulations. Clean preferably with a detergent - Avoid the use of solvents.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use. When handling product, avoid contact with skin and eyes. Do not pierce or burn, even after use.
Precautions for safe handling : Presents no particular risk when handled in accordance with good occupational hygiene practice. Provide good ventilation in process area to prevent formation of vapour. Meet the legal requirements.
Hygiene measures : Use good personal hygiene practices. IF ON SKIN: Wash with plenty of water/... Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep out of frost.
Storage conditions : Store in a dry place.
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. Store in a well-ventilated place.
Special rules on packaging : Meet the legal requirements. Labelling according to.
Packaging materials : Aerosol.

7.3. Specific end use(s)

Adhesives, sealants. See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)

DNEL/DMEL (Workers)
Long-term - systemic effects, inhalation 3902 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects, inhalation 830 mg/m³
PNEC (Water)
PNEC aqua (freshwater) 0,1 mg/l

methylsilanetriyl triacetate (4253-34-3)

DNEL/DMEL (Workers)
Acute - local effects, inhalation 31 mg/m³
Long-term - local effects, inhalation 31 mg/m³
DNEL/DMEL (General population)
Acute - local effects, inhalation 5,1 mg/m³

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methyilsilanetriyl triacetate (4253-34-3)

Long-term - local effects, inhalation	5,1 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	0,1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3,4 mg/kg dwt
PNEC sediment (marine water)	0,34 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,145 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6,9 mg/l

triacetoxethylsilane (17689-77-9)

DNEL/DMEL (Workers)	
Acute - local effects, inhalation	32,5 mg/m ³
Long-term - local effects, inhalation	32,5 mg/m ³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	6,5 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0,2 mg/l
PNEC aqua (marine water)	0,02 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,74 mg/kg dwt
PNEC sediment (marine water)	0,074 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,031 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

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

: Polyvinylchloride (PVC). Nitrile rubber. 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

: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection.

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

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Boiling point	: No data available
Flash point	: > 150 °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

9.2. Other information

VOC content	: < 5 %
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

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Pressurized container. On heating there is a risk of bursting due to internal pressure build-up.

10.4. Conditions to avoid

Heat. Moisture. Polymerizes on exposure to water (moisture).

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)

LC50 inhalation rat (ppm) > 207000 ppm/4h Sprague-Dawley

methylsilanetriyl triacetate (4253-34-3)

LD50 oral rat 1550 - 1660 mg/kg bodyweight Sprague-Dawley

ATE CLP (oral) 1550 mg/kg bodyweight

triacetoxymethylsilane (17689-77-9)

LD50 oral rat 1460 mg/kg bodyweight Sprague-Dawley

ATE CLP (oral) 1460 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

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Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Irritation to throat

SECTION 12: Ecological information

12.1. Toxicity

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)

LC50 fish 1	> 117 mg/l @96h Cyprinus carpio
EC50 Daphnia 1	> 160 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	> 170 mg/l @72h Pseudokirchneriella subcapitata

methylsilanetriyl triacetate (4253-34-3)

LC50 fish 1	> 500 mg/l @96h Brachydanio rerio
EC50 Daphnia 1	> 500 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	> 500 mg/l @72h Pseudokirchneriella subcapitata
NOEC (acute)	72h 500 mg/l Pseudokirchneriella subcapitata

triacetoxymethylsilane (17689-77-9)

LC50 fish 1	96h 251 mg/l Brachydanio rerio
EC50 Daphnia 1	48h 168,7 mg/l Daphnia magna
EC50 other aquatic organisms 1	72h 24,41 mg/l Pseudokirchneriella subcapitata
LOEC (acute)	72h 100 mg/l Pseudokirchneriella subcapitata
NOEC (acute)	72h 40 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

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Persistence and degradability Biodegradable.

12.3. Bioaccumulative potential

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Bioaccumulative potential Bioaccumulation unlikely.

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)

Log Pow 1,6

methylsilanetriyl triacetate (4253-34-3)

Bioaccumulative potential Slightly bioaccumulative.

triacetoxymethylsilane (17689-77-9)

Log Pow 0,74

12.4. Mobility in soil

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Ecology - soil Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. 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

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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

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

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 5 %

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

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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 H- and EUH-statements:

Acute Tox. 4 (Oral)

Aerosol 3

Eye Irrit. 2

Press. Gas (Liq.)

Skin Corr. 1B

Skin Corr. 1C

Skin Irrit. 2

H229

H280

H302

H314

H315

H319

Acute toxicity (oral), Category 4

Aerosol, Category 3

Serious eye damage/eye irritation, Category 2

Gases under pressure : Liquefied gas

Skin corrosion/irritation, Category 1B

Skin corrosion/irritation, Category 1C

Skin corrosion/irritation, Category 2

Pressurised container: May burst if heated.

Contains gas under pressure; may explode if heated.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes skin irritation.

Causes serious eye irritation.

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