



Black Gasket Maker (Aerosol)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 20/03/2024 Revision date: 29/03/2023 Version: 6.03

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
Vaporizer : Aerosol

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

Restrictions on use : Seek expert judgment if the intended use is different from the recommended use

1.3. Details of the supplier of the safety data sheet

Supplier

ITW ADDITIVES INTL B.V.
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

Distributor

ITW Automotive Aftermarket
Saxon House,
2-4 Victoria Street
SL4 1EN Windsor
UNITED KINGDOM
T +44 (0)24 7647 2634
sales@wynns.uk.com, www.wynns.uk.com

Distributor

Wynn's Automotive France S.A.S.
2 Av. Léonard de Vinci
Z.A. Europarc
33600 PESSAC Cedex
FRANCE
T +33 5 57 26 29 00
contact@wynns.fr, www.wynns.fr

Distributor

Krafft S.L.U.
Carretera de Urnieta, s/n
20140 Andoain - Guipúzcoa
ESPAÑA
T +34 943 410 400, F +34 943 410 440
msds@krafft.es, www.krafft.es

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, Category 3 H229
Full text of H- and EUH-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]

Signal word (CLP) : Warning
Hazard statements (CLP) : H229 - Pressurised container: May burst if heated.
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from hot surfaces, open flames, sparks, heat. – No smoking.
P251 - Pressurized container: Do not pierce or burn, even after use.

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P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	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	2,5 – 5	Press. Gas (Liq.), H280
triacetoxylethylsilane	CAS-No.: 17689-77-9 EC-No.: 241-677-4 REACH-no: 01-2119881778-15	2,5 – 5	Acute Tox. 4 (Oral), H302 (ATE=1460 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-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

No additional information available

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

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| Suitable extinguishing media | : Carbon dioxide (CO ₂). extinguishing powder. Alcohol resistant foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

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|------------------|---|
| Fire hazard | : Nitrogen oxides. Carbon monoxide. |
| Explosion hazard | : Product is not explosive. Pressurised container: May burst if heated. |

5.3. Advice for firefighters

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|--------------------------------|--|
| 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. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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|----------------------|--|
| 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

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|-----------------------------------|---|
| 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. 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. |

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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

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

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

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering 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.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

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

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8.2.2.3. Respiratory protection

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.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Appearance	: Aerosol. Paste.
Odour	: aromatic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1,06 g/cm ³ (EN ISO 1183-1; 23°C)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 0 %

9.2.2. Other safety characteristics

VOC content : < 2 %

Additional information : 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.

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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

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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

LC50 Inhalation - Rat [ppm]	> 207000 ppm/4h Sprague-Dawley
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triacetoxymethylsilane (17689-77-9)

LD50 oral rat	1460 mg/kg bodyweight Sprague-Dawley
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Skin corrosion/irritation : Not classified (No irritant effect; rabbit)
Additional information : On basis of test data

triacetoxymethylsilane (17689-77-9)

pH	2,77 @20°C (1% in H2O)
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Serious eye damage/irritation : Not classified (No irritant effect; rabbit)
Additional information : On basis of test data

triacetoxymethylsilane (17689-77-9)

pH	2,77 @20°C (1% in H2O)
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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 : Not classified

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Vaporizer	Aerosol
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

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Hazardous to the aquatic environment, long-term (chronic) : Not classified

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)	
LC50 - Fish [1]	> 117 mg/l @96h Cyprinus carpio
EC50 - Crustacea [1]	> 160 mg/l @48h Daphnia magna
EC50 - Other aquatic organisms [1]	> 170 mg/l @72h Pseudokirchneriella subcapitata

triacetoxymethylsilane (17689-77-9)	
LC50 - Fish [1]	96h 251 mg/l Brachydanio rerio
EC50 - Crustacea [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

Black Gasket Maker (Aerosol)	
Persistence and degradability	Biodegradable.

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)	
Persistence and degradability	Rapidly degradable

triacetoxymethylsilane (17689-77-9)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Black Gasket Maker (Aerosol)	
Bioaccumulative potential	Bioaccumulation unlikely.

trans-1,3,3,3-tetrafluoroprop-1-ene (HFO-1234ze) (29118-24-9)	
Partition coefficient n-octanol/water (Log Pow)	1,6

triacetoxymethylsilane (17689-77-9)	
Partition coefficient n-octanol/water (Log Pow)	0,74

12.4. Mobility in soil

Black Gasket Maker (Aerosol)	
Ecology - soil	Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

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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, EC 2000/532)	: 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09 15 01 04 - metallic packaging 16 05 04* - gases in pressure containers (including halons) containing dangerous substances
HP Code	: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, non-flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.2, (E)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, non-flammable, 2.2	UN 1950 AEROSOLS, 2.2	UN 1950 AEROSOLS, 2.2
14.3. Transport hazard class(es)				
2.2	2.1	2.2	2.2	2.2
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5A
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Tunnel restriction code (ADR)	: E

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Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69
MFAG-No	: 126

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A98, A145, A167, A802
ERG code (IATA)	: 2L

Inland waterway transport

Classification code (ADN)	: 5A
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP
Ventilation (ADN)	: VE04
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: 5A
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 20

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content : < 2 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Data sources : JISZ 7253 : 2019.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

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Full text of H- and EUH-statements:

Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

Safety Data Sheet (SDS), EU

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.