

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 06-Nov-2025

Revision Number 1

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

1.1. Product identifier

Product Code(s) 127351
Safety data sheet number 127351
Product Name 3M BODYGARD BLACK 08158

Pure substance/mixture Mixture

Contains n-BUTYL ACETATE ; PROPANE

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

Recommended use Automotive

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com

Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosols	Category 1 - (H222, H229)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Category 3 Narcotic effects	

2.2. Label elements

Contains n-BUTYL ACETATE ; PROPANE



Signal word

Danger

Hazard statements

H336 - May cause drowsiness or dizziness

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P201 - Obtain special instructions before use

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P211 - Do not spray on an open flame or other ignition source

P251 - Do not pierce or burn, even after use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

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

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
n-BUTYL ACETATE 123-86-4	20 - 50%	204-658-1 (607-025-00-1)	-	Flam. Liq. 3 (H226) STOT SE 3 (H336) (EUH066)	-	-	-
PROPANE 74-98-6	<12%	200-827-9	-	Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-
BUTANE 106-97-8	<10%	203-448-7	-	Flam. Gas 1 (H220) Press. Gas ()	-	-	-
TRIIRON	<5%	215-277-5	UK-01-4172695884-0-	Not Classified	-	-	-

TETRAOXIDE 1317-61-9			XXXX				
POLYPROPYLENE GLYCOL MONOBUTYL ETHER 9003-13-8	<5%	-	-	Aquatic Chronic 3 (H412)	-	-	-
ISOBUTANE 75-28-5	<5%	200-857-2	-	Flam. Gas 1 (H220) Press. Gas (H280)	-	-	-
HYDRATED MAGNESIUM SILICATE 14807-96-6	<5%	238-877-9	-	Not classified	-	-	-
MAGNESIUM CARBONATE 546-93-0	<3%	208-915-9	-	Not Classified	-	-	-
DOLOMITE 16389-88-1	<3%	240-440-2	-	Not classified	-	-	-

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures**4.1. Description of first aid measures**

General advice	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

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

Inhalation	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Dermal	Prolonged skin contact may defat the skin and produce dermatitis.

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

Note to doctors	Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs such as epinephrine unless absolutely necessary.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Heating will cause pressure rise with risk of bursting.

Hazardous combustion products Carbon oxides. Thermal decomposition can lead to release of irritating gases and vapours.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool containers with flooding quantities of water until well after fire is out.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non sparking handtools and explosion-proof electric equipment. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Use personal protection recommended in Section 8.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for containment Ventilate the area. The spill may be covered with alcohol resistant foam to reduce evaporation. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Contaminated absorbent material may pose the same hazard as the spilt product.

Methods for cleaning up Clean up residue with an appropriate solvent selected by a qualified and authorised person and then ventilate the area with fresh air.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Ensure adequate ventilation. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Keep away from heat, sparks and open flame. Never pierce, drill, grind, cut, saw or weld any empty container. Wash thoroughly after handling.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Protect from direct sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from heat, sparks and open flame. Store away from incompatible materials. See section 10 for more information.

7.3. Specific end use(s)

Specific use(s)

See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
n-BUTYL ACETATE 123-86-4	TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 966 mg/m ³
PROPANE 74-98-6	Asphyxiating
BUTANE 106-97-8	TWA: 600 ppm TWA: 1450 mg/m ³ STEL: 750 ppm STEL: 1810 mg/m ³
ISOBUTANE 75-28-5	TWA: 800 ppm STEL: 800 ppm
HYDRATED MAGNESIUM SILICATE 14807-96-6	TWA: 1 mg/m ³ STEL: 3 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
n-BUTYL ACETATE 123-86-4		11 mg/kg bw/day [4] [6] 11 mg/kg bw/day [4] [7]	600 mg/m ³ [4] [7] 300 mg/m ³ [4] [6] 600 mg/m ³ [5] [7] 300 mg/m ³ [5] [6]
TRIIRON TETRAOXIDE 1317-61-9			10 mg/m ³ [5] [6]
POLYPROPYLENE GLYCOL MONOBUTYL ETHER 9003-13-8		0.83 mg/kg bw/day [4] [6]	2.9 mg/m ³ [4] [6]
HYDRATED MAGNESIUM SILICATE 14807-96-6		43.2 mg/kg bw/day [4] [6] 4.54 mg/cm ² [5] [6]	2.16 mg/m ³ [4] [6] 2.16 mg/m ³ [4] [7] 3.6 mg/m ³ [5] [6] 3.6 mg/m ³ [5] [7]

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.
 [7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
n-BUTYL ACETATE 123-86-4	2 mg/kg bw/day [4] [6] 2 mg/kg bw/day [4] [7]	6 mg/kg bw/day [4] [6] 6 mg/kg bw/day [4] [7] 3.4 mg/kg [4] [6]	35.7 mg/m ³ [4] [6] 300 mg/m ³ [4] [7] 35.7 mg/m ³ [5] [6] 300 mg/m ³ [5] [7]
POLYPROPYLENE GLYCOL MONOBUTYL ETHER 9003-13-8	0.42 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7]	0.42 mg/kg bw/day [4] [6]	
HYDRATED MAGNESIUM SILICATE 14807-96-6	160 mg/kg bw/day [4] [6] 160 mg/kg bw/day [4] [7]	2.27 mg/cm ² [5] [6]	1.08 mg/m ³ [4] [6] 1.08 mg/m ³ [4] [7] 1.8 mg/m ³ [5] [6] 1.8 mg/m ³ [5] [7]
MAGNESIUM CARBONATE 546-93-0	7.23 mg/kg/day [4] [7]		

[4] Systemic health effects.
 [5] Local health effects.
 [6] Long term.
 [7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
n-BUTYL ACETATE 123-86-4	0.18 mg/L	0.36 mg/L	0.018 mg/L		
POLYPROPYLENE GLYCOL MONOBUTYL ETHER 9003-13-8	0.333 mg/L	3.33 mg/L	0.0333 mg/L		
HYDRATED MAGNESIUM	597.97 mg/L	597.97 mg/L	141.26 mg/L	141.26 mg/L	10 mg/m ³

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
SILICATE 14807-96-6					

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
n-BUTYL ACETATE 123-86-4	0.981 mg/kg sediment dw	0.098 mg/kg sediment dw	35.6 mg/L	0.09 mg/kg soil dw	
POLYPROPYLENE GLYCOL MONOBUTYL ETHER 9003-13-8	5.02 mg/kg sediment dw	0.502 mg/kg sediment dw	100 mg/L	0.809 mg/kg soil dw	
HYDRATED MAGNESIUM SILICATE 14807-96-6	31.33 mg/kg sediment dw	3.13 mg/kg sediment dw			

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation. Respiratory protection must be used if air contamination exceeds acceptable level.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374.

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
Long term (repeated)	Polymer laminate	>0.3 mm	>=8 hours
Long term (repeated)	Polyvinyl alcohol (PVA)	>0.3 mm	4-8 hours

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

Recommended filter type:

In case of inadequate ventilation wear respiratory protection.
Type A. Type P.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	Liquid
Colour	Black
Odour	Sweet.
Odour threshold	No information available

Property

Melting point / freezing point

Values

Remarks • Method

No information available.

Initial boiling point and boiling range		No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point	-45 °C	CC (closed cup).
Autoignition temperature		No information available.
Decomposition temperature		No information available.
pH		No information available.
pH (as aqueous solution)		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity		No information available.
Water solubility	Insoluble in water	
Solubility(ies)		No information available.
Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density	1.066	
Bulk density	1.066 g/ml	
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks. Acids.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation	May cause drowsiness or dizziness. Simple asphyxiant. Symptoms may include tightness in the chest, flushing, headache, nausea, vomiting, respiratory depression, weakness, irregular heartbeat, abdominal pain, convulsions, and shock. May cause respiratory irritation. Coughing and/or wheezing.
Eye contact	Redness. Pain. May cause redness and tearing of the eyes.
Skin contact	Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
n-BUTYL ACETATE	> 8800 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	= 20 mg/l (Rat) 4h
PROPANE	-	-	> 200000 ppm (Rat) 4h
BUTANE	-	-	= 277000 ppm (Rat) 4h
TRIIRON TETRAOXIDE	= 3700 mg/kg	= 3100 mg/kg	-
POLYPROPYLENE GLYCOL MONOBUTYL ETHER	> 45000 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-
ISOBUTANE	-	-	= 276000 ppm (Rat) 4h
HYDRATED MAGNESIUM SILICATE	> 5000 mg/kg	> 5000 mg/kg	-
MAGNESIUM CARBONATE	> 2000 mg/kg (Rat)	2000 - 5000 mg/kg	-
DOLOMITE	> 2000 mg/kg (Rat)	2000 - 5000 mg/kg	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Based on available data the classification criteria are not met.
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n-BUTYL ACETATE (123-86-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				May cause slight irritation

PROPANE (74-98-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
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	Rabbit				May cause slight irritation
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BUTANE (106-97-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal			non-irritant

ISOBUTANE (75-28-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

MAGNESIUM CARBONATE (546-93-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	in vitro				non-irritant

DOLOMITE (16389-88-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

Serious eye damage/eye irritation Based on available data the classification criteria are not met.

n-BUTYL ACETATE (123-86-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				Moderate eye irritation

PROPANE (74-98-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				Mild eye irritation

BUTANE (106-97-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				non-irritant

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				non-irritant

POLYPROPYLENE GLYCOL MONOBUTYL ETHER (9003-13-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

ISOBUTANE (75-28-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				non-irritant

MAGNESIUM CARBONATE (546-93-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				Mild eye irritation

DOLOMITE (16389-88-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					non-irritant

Respiratory or skin sensitisation Based on available data the classification criteria are not met.

n-BUTYL ACETATE (123-86-4)

Method	Species	Exposure route	Results
	Animal Data.	Dermal	Not classified

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Exposure route	Results
	Human evidence		Not classified

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Exposure route	Results
	Human evidence	Inhalation	Not classified

Germ cell mutagenicity Based on available data the classification criteria are not met.

Component Information

n-BUTYL ACETATE (123-86-4)

Method	Species	Results
	in vitro	Not mutagenic

PROPANE (74-98-6)

Method	Species	Results
	in vitro	Not mutagenic

BUTANE (106-97-8)

Method	Species	Results
	in vitro	Not mutagenic

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Results
	in vitro	Not mutagenic

ISOBUTANE (75-28-5)

Method	Species	Results
	in vitro	Not mutagenic

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Results
	in vitro	Not mutagenic
	in vivo	Not mutagenic

Carcinogenicity Based on available data the classification criteria are not met.

Component Information

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Results
	human data	Limited evidence of a carcinogenic effect

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Results
	Rat	Some positive data exist, but the data are not sufficient for classification

Reproductive toxicity

Based on available data the classification criteria are not met.

n-BUTYL ACETATE (123-86-4)

Method	Species	Results
	Rat Inhalation	Not classified NOAEL 7.1 mg/l

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Results
	Rat Oral	Not classified NOAEL 1,600 mg/kg

STOT - single exposure

May cause drowsiness or dizziness.

n-BUTYL ACETATE (123-86-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Inhalation	2.6 mg/L	4 hours	May cause damage to organs
	human data	Inhalation			May cause drowsiness or dizziness
	human data	Inhalation			May cause respiratory irritation
		Oral			May cause drowsiness or dizziness

PROPANE (74-98-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			May cause damage to organs
	human data	Inhalation			May cause drowsiness or dizziness
	human data	Inhalation			Not classified respiratory tract

BUTANE (106-97-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Causes damage to organs
	human data	Inhalation			May cause drowsiness or dizziness
	Animal Data.	Inhalation	5000 ppm	25 minutes	Not classified
	Rabbit	Inhalation			Not classified

ISOBUTANE (75-28-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Animal Data.	Inhalation			Causes damage to organs
	human data Animal Data.	Inhalation			May cause drowsiness or dizziness
	Mouse	Inhalation			Not classified

STOT - repeated exposure

Based on available data the classification criteria are not met.

Component Information

n-BUTYL ACETATE (123-86-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Inhalation	2.4 mg/L	14 weeks	Not classified
	Rabbit	Inhalation	7.26 mg/L	13 days	Not classified

BUTANE (106-97-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Inhalation	4489 ppm	90 days	Not classified

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Not classified

ISOBUTANE (75-28-5)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rat	Inhalation	4500 ppm	13 weeks	Not classified

HYDRATED MAGNESIUM SILICATE (14807-96-6)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	human data	Inhalation			Repeated excessive exposure may cause irritation of the upper respiratory tract and lungs
	Rat	Inhalation	18 mg/m ³	113 weeks	Not classified

Aspiration hazard

Based on available data the classification criteria are not met.

Other adverse effects

No information available.

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicity**

The product contains no substances known to be hazardous to health or to the environment in concentrations which need to be taken into account.

n-BUTYL ACETATE (123-86-4)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Green Algae	ErC50	397 mg/L	72 hours	
	Fish	LC50	18 mg/L	96 hours	
	Water flea	EC50	44 mg/L	48 hours	
	Green Algae	NOEC	196 mg/L	72 hours	
	Water flea	NOEC	23.2 mg/L	21 days	

	Other aquatic organisms	IC50	356 mg/L	40 hours	
	Algae/aquatic plants	EC50	>1000 mg/kg	14 days	

TRIIRON TETRAOXIDE (1317-61-9)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Green Algae		>100 mg/L	72 hours	
	Water flea		>100 mg/L	48 hours	
	Brachydanio rerio		>100 mg/L	96 hours	
	Green Algae		>100 mg/L	72 hours	
	Water flea		>100 mg/L	21 days	
	activated sludge	EC50	>=10,000 mg/L	3 hours	

MAGNESIUM CARBONATE (546-93-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	activated sludge	EC50	>900 mg/L	3 hours	
	Fish	LC50	1880 mg/L	96 hours	
	Green Algae	EC50	>100 mg/L	72 hours	
	Water flea	LC50	486 mg/L	48 hours	
	Green Algae	NOEC	100 mg/L	72 hours	
	Water flea	EC10	284 mg/L	21 days	

DOLOMITE (16389-88-1)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Water flea	EC50	190 mg/L	48 hours	
	Fish	LC50	>100 mg/L	96 hours	
	Oncorhynchus mykiss (rainbow trout)	NOEC	>100 mg/L	21 days	

12.2. Persistence and degradability

Persistence and degradability No information available.

n-BUTYL ACETATE (123-86-4)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	28 days	Biodegradation 83 %	Readily biodegradable

POLYPROPYLENE GLYCOL MONOBUTYL ETHER (9003-13-8)

Method	Exposure time	Value	Results
	28 days	79% Biodegradation	Readily biodegradable

12.3. Bioaccumulative potential**Bioaccumulation****Component Information**

Chemical name	Partition coefficient
n-BUTYL ACETATE	2.3
PROPANE	2.36
BUTANE	2.89
POLYPROPYLENE GLYCOL MONOBUTYL ETHER	3
ISOBUTANE	2.76

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
n-BUTYL ACETATE	The substance is not PBT / vPvB
PROPANE	The substance is not PBT / vPvB
BUTANE	The substance is not PBT / vPvB
TRIIRON TETRAOXIDE	The substance is not PBT / vPvB
POLYPROPYLENE GLYCOL MONOBUTYL ETHER	The substance is not PBT / vPvB
ISOBUTANE	The substance is not PBT / vPvB
HYDRATED MAGNESIUM SILICATE	The substance is not PBT / vPvB
MAGNESIUM CARBONATE	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number UN1950
 14.2 UN proper shipping name AEROSOLS, FLAMMABLE
 14.3 Transport hazard class(es) 2.1
 14.4 Packing group Not regulated
 14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions A145, A167, A802
 ERG Code 10L

IMDG

14.1 UN number or ID number UN1950
 14.2 UN proper shipping name AEROSOLS
 14.3 Transport hazard class(es) 2.1
 14.4 Packing group Not regulated
 14.5 Environmental hazards No
 14.6 Special precautions for user
 Special Provisions 63,190, 277, 327, 344, 381, 959
 EmS-No F-D, S-U
 14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number UN1950
 14.2 UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F

ADR

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLS
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F
Tunnel restriction code	(D)

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

Product restricted per REACH Annex XVII: 3

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
BUTANE - 106-97-8	Use restricted. See item 28. Use restricted. See item 29.	-

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Dangerous substance category per COMAH Regulations 2015 (as amended)

P3a - FLAMMABLE AEROSOLS

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories**TSCA**

Contact supplier for inventory compliance status

DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIRC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECI - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIRC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

EUH066 - Repeated exposure may cause skin dryness or cracking
 H220 - Extremely flammable gas
 H226 - Flammable liquid and vapour
 H280 - Contains gas under pressure; may explode if heated
 H336 - May cause drowsiness or dizziness
 H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note ***Indicates updated data since last publication

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method

STOT - single exposure
STOT - repeated exposure
Acute aquatic toxicity
Chronic aquatic toxicity
Aspiration hazard
Ozone

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Revision date 06-Nov-2025

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet