

 	SAFETY DATA SHEET	Page : 1 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

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

1.1. Product identifier

Product form : Mixture
 Trade name : Corrosion Guard Rust Inhibitor
 UFI : MY1S-C105-N00M-AS5S
 Product code : 8M0184794, 8M0207815
 Vaporizer : Aerosol
 Document no. : 766-01-0347S
 (Original SDS: E61AUS901)

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

1.2.1. Relevant identified uses

Intended for general public
 Main use category : Industrial use, Professional use, Consumer use
 Use of the substance/mixture : Paint
 Paint related material

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Brunswick Marine EMEA
 Parc industriel de Petit-Rechain, Avenue Mercury 8
 4800 Verviers - Belgium
 T +32 (0)87 32 32 11
bme.compliance@brunswick.com

1.4. Emergency telephone number

Emergency number : 0032 3 575 55 55
 This telephone number is available 24 hours per day, 7 days per week.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229
 STOT SE 3 H336
 STOT RE 2 H373
 Asp. Tox. 1 H304
 Aquatic Chronic 2 H411

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

 	SAFETY DATA SHEET	Page : 2 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word

: Danger

Contains

: Pentane; Solvent naphtha (petroleum), medium aliph.

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H304 - May be fatal if swallowed and enters airways.
H336 - May cause drowsiness or dizziness.
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
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.
P260 - Do not breathe spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.
P391 - Collect spillage.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 - Dispose of contents and container to an approved waste disposal plant.
EUH066 - Repeated exposure may cause skin dryness or cracking.
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products.
VOC content : < 840 g/L.
Maximum VOC content: 840 g/L.

Extra phrases

Extra phrases

Child-resistant fastening

: Not applicable

Tactile warning

: Applicable

2.3. Other hazards

Other hazards

: Vapours can form explosive mixtures with air. Results of PBT and vPvB assessment : Not applicable.

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 is 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

 	SAFETY DATA SHEET	Page : 3 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pentane substance with a Community workplace exposure limit	(CAS-No.) 109-66-0 (EC-No.) 203-692-4 (EC Index) 601-006-00-1 (REACH-no) 01-2119459286-30-XXXX	25 – 50	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Flam. Liq. 1, H224
Distillates (petroleum), hydrotreated light	(CAS-No.) 64742-47-8 (EC-No.) 265-149-8 (EC Index) 649-422-00-2	10 – 25	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index) 601-004-00-0 (REACH-no) 01-2119474691-32-XXXX	10 – 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index) 601-003-00-5 (REACH-no) 01-2119486944-21-XXXX	0 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Isobutane	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index) 601-004-00-0 (REACH-no) 01-2119485395-27-XXXX	0 – 5	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Solvent naphtha (petroleum), medium aliph.	(CAS-No.) 64742-88-7 (EC-No.) 265-191-7 (EC Index) 649-405-00-X	0 – 3	Flam. Liq. 3, H226 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
oxy dipropyl dibenzoate	(CAS-No.) 27138-31-4 (EC-No.) 248-258-5 (EC Index) -	0 – 3	Aquatic Chronic 3, H412
isopentane; 2-methylbutane substance with a Community workplace exposure limit	(CAS-No.) 78-78-4 (EC-No.) 201-142-8 (EC Index) 601-085-00-2	0 – 0,3	Flam. Liq. 1, H224 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove casualty to fresh air and keep warm and at rest. Give oxygen or artificial respiration if necessary. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	: Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical advice/attention.

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

Inhalation	: May cause drowsiness or dizziness. The following symptoms may occur: Headache, Fatigue, Nausea, May cause irritation to the respiratory tract.
Skin contact	: The following symptoms may occur: Repeated exposure may cause skin dryness or cracking.
Eyes contact	: The following symptoms may occur: May cause eye irritation, Redness.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

 	SAFETY DATA SHEET	Page : 4 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Chronic symptoms : May cause damage to organs through prolonged or repeated exposure.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Extremely flammable aerosol. Ignition risk. Vapours are heavier than air and may spread along floors. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Aerosol cans may rupture and become projectiles. In use, may form flammable/explosive vapour-air mixture. Do not spray on a naked flame or any incandescent material. On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Nitrogen oxides.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Leave evaporate and disperse. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

 	SAFETY DATA SHEET	Page : 5 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Provide adequate ventilation. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Remove all sources of ignition. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Hygiene measures

: Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Heat and ignition sources

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Special rules on packaging

: Tactile warning. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging materials

: Keep only in the original container.

7.3. Specific end use(s)

Paint. Paint related material.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pentane (109-66-0)		
EU	IOEL TWA	3000 mg/m ³
EU	IOEL TWA [ppm]	1000 ppm
Austria	MAK (OEL TWA)	1800 mg/m ³ (Pentane all isomers)
Austria	MAK (OEL TWA) [ppm]	600 ppm (Pentane all isomers)
Austria	MAK (OEL STEL)	3600 mg/m ³ (Pentane, all isomers)
Austria	MAK (OEL STEL) [ppm]	1200 ppm (Pentane, all isomers)
Belgium	OEL TWA	1800 mg/m ³
Belgium	OEL TWA [ppm]	600 ppm
Belgium	OEL STEL	2250 mg/m ³
Belgium	OEL STEL [ppm]	750 ppm
Bulgaria	OEL TWA	3000 mg/m ³
Bulgaria	OEL TWA [ppm]	1000 ppm
Croatia	GVI (OEL TWA) [1]	3000 mg/m ³
Croatia	GVI (OEL TWA) [2]	1000 ppm
Cyprus	OEL TWA	3000 mg/m ³
Cyprus	OEL TWA [ppm]	1000 ppm
Czech Republic	PEL (OEL TWA)	2000 mg/m ³
Denmark	OEL TWA [1]	1500 mg/m ³ (Pentane, all isomers)
Denmark	OEL TWA [2]	500 ppm (Pentane, all isomers)

 	SAFETY DATA SHEET	Page : 6 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Pentane (109-66-0)		
Estonia	OEL TWA	3000 mg/m ³
Estonia	OEL TWA [ppm]	1000 ppm
Finland	HTP (OEL TWA) [1]	1500 mg/m ³ (Pentane)
Finland	HTP (OEL TWA) [2]	500 ppm (Pentane)
Finland	HTP (OEL STEL)	1900 mg/m ³
Finland	HTP (OEL STEL) [ppm]	630 ppm
France	VME (OEL TWA)	3000 mg/m ³ (restrictive limit)
France	VME (OEL TWA) [ppm]	1000 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	3000 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm) (TRGS900)	1000 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	OEL TWA	3000 mg/m ³
Gibraltar	OEL TWA [ppm]	1000 ppm
Greece	OEL TWA	2950 mg/m ³
Greece	OEL TWA [ppm]	1000 ppm
Greece	OEL STEL	2950 mg/m ³
Greece	OEL STEL [ppm]	1000 ppm
Hungary	AK (OEL TWA)	2950 mg/m ³
Ireland	OEL TWA [2]	1000 ppm
Ireland	OEL STEL [ppm]	3000 ppm (calculated)
Italy	OEL TWA	2000 mg/m ³
Italy	OEL TWA [ppm]	667 ppm
Latvia	OEL TWA	3000 mg/m ³
Latvia	OEL TWA [ppm]	1000 ppm
Lithuania	IPRV (OEL TWA)	3000 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	1000 ppm
Luxembourg	OEL TWA	3000 mg/m ³
Luxembourg	OEL TWA [ppm]	1000 ppm
Malta	OEL TWA	3000 mg/m ³
Malta	OEL TWA [ppm]	1000 ppm
Netherlands	TGG-8u (OEL TWA)	1800 mg/m ³
Poland	NDS (OEL TWA)	3000 mg/m ³
Portugal	OEL TWA	3000 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	1000 ppm (indicative limit value)
Romania	OEL TWA	3000 mg/m ³
Romania	OEL TWA [ppm]	1000 ppm
Slovakia	NPHV (OEL TWA) [1]	3000 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	1000 ppm
Slovenia	OEL TWA	3000 mg/m ³

 	SAFETY DATA SHEET		Page : 7 / 24	
			Revision nr : 4.0	
			Issue date : 21/02/2023	
	Corrosion Guard Rust Inhibitor		Supersedes : 10/11/2022	
			766-01-0347S (Original SDS: E61AUS901)	

Pentane (109-66-0)		
Slovenia	OEL TWA [ppm]	1000 ppm
Slovenia	OEL STEL	6000 mg/m ³
Slovenia	OEL STEL [ppm]	2000 ppm
Spain	VLA-ED (OEL TWA) [1]	3000 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	1000 ppm (indicative limit value)
Sweden	NGV (OEL TWA)	1800 mg/m ³ (Pentanes)
Sweden	NGV (OEL TWA) [ppm]	600 ppm (Pentanes)
Sweden	KTV (OEL STEL)	2000 mg/m ³ (Pentanes)
Sweden	KTV (OEL STEL) [ppm]	750 ppm (Pentanes)
United Kingdom	WEL TWA (OEL TWA) [1]	1800 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	600 ppm
United Kingdom	WEL STEL (OEL STEL)	5400 mg/m ³ (calculated)
United Kingdom	WEL STEL (OEL STEL) [ppm]	1800 ppm (calculated)
Norway	Grenseverdi (OEL TWA) [1]	750 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	250 ppm
Norway	Korttidsverdi (OEL STEL)	937,5 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	312,5 ppm (value calculated)
Switzerland	MAK (OEL TWA) [1]	1800 mg/m ³ (Pentane all isomers)
Switzerland	MAK (OEL TWA) [2]	600 ppm (Pentane all isomers)
Switzerland	KZGW (OEL STEL)	3600 mg/m ³ (Pentane (all isomers))
Switzerland	KZGW (OEL STEL) [ppm]	1200 ppm (Pentane (all isomers))
Australia	OES TWA [1]	1770 mg/m ³
Australia	OES TWA [2]	600 ppm
Australia	OES STEL	2210 mg/m ³
Australia	OES STEL [ppm]	750 ppm
Canada (Quebec)	VEMP (OEL TWA) [ppm]	1000 ppm (Pentane (all isomers))
USA - ACGIH	ACGIH OEL TWA [ppm]	1000 ppm (Pentane, all isomers)
USA - IDLH	IDLH [ppm]	1500 ppm (10% LEL)
USA - NIOSH	NIOSH REL TWA	350 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	120 ppm
USA - NIOSH	NIOSH REL C	1800 mg/m ³
USA - NIOSH	NIOSH REL C [ppm]	610 ppm
USA - OSHA	OSHA PEL TWA [1]	2950 mg/m ³
USA - OSHA	OSHA PEL TWA [2]	1000 ppm
Distillates (petroleum), hydrotreated light (64742-47-8)		
Switzerland	MAK (OEL TWA) [1]	350 mg/m ³ (vapour) 5 mg/m ³ (not specified-aerosol, inhalable dust)
Switzerland	MAK (OEL TWA) [2]	50 ppm (vapour)
Switzerland	KZGW (OEL STEL)	700 mg/m ³ (vapour)
Switzerland	KZGW (OEL STEL) [ppm]	100 ppm (vapour)
butane (106-97-8)		
Austria	MAK (OEL TWA)	1900 mg/m ³ (Butane (all isomers))

 	SAFETY DATA SHEET	Page : 8 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

butane (106-97-8)		
Austria	MAK (OEL TWA) [ppm]	800 ppm (Butane (all isomers))
Austria	MAK (OEL STEL)	3800 mg/m ³
Austria	MAK (OEL STEL) [ppm]	1600 ppm
Belgium	OEL STEL	2370 mg/m ³
Belgium	OEL STEL [ppm]	980 ppm
Bulgaria	OEL TWA	1900 mg/m ³
Croatia	GVI (OEL TWA) [1]	1450 mg/m ³ 22 mg/m ³ (containing >=0.1% Butadiene)
Croatia	GVI (OEL TWA) [2]	600 ppm 10 ppm (containing >=0.1% Butadiene)
Croatia	KGVI (OEL STEL)	1810 mg/m ³
Croatia	KGVI (OEL STEL) [ppm]	750 ppm
Denmark	OEL TWA [1]	1200 mg/m ³
Denmark	OEL TWA [2]	500 ppm
Estonia	OEL TWA	1500 mg/m ³
Estonia	OEL TWA [ppm]	800 ppm
Finland	HTP (OEL TWA) [1]	1900 mg/m ³ (suffocating gas that displaces oxygen (Butane))
Finland	HTP (OEL TWA) [2]	800 ppm (suffocating gas that displaces oxygen (Butane))
Finland	HTP (OEL STEL)	2400 mg/m ³
Finland	HTP (OEL STEL) [ppm]	1000 ppm
France	VME (OEL TWA)	1900 mg/m ³
France	VME (OEL TWA) [ppm]	800 ppm
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	2400 mg/m ³
Germany	Occupational exposure limit value (ppm) (TRGS900)	1000 ppm
Greece	OEL TWA	2350 mg/m ³
Greece	OEL TWA [ppm]	1000 ppm
Hungary	AK (OEL TWA)	2350 mg/m ³
Hungary	CK (OEL STEL)	9400 mg/m ³
Ireland	OEL TWA [2]	1000 ppm (Aliphatic hydrocarbon gases - Alkanes (C1-C4))
Ireland	OEL STEL [ppm]	3000 ppm (calculated)
Latvia	OEL TWA	300 mg/m ³
Poland	NDS (OEL TWA)	1900 mg/m ³
Poland	NDSch (OEL STEL)	3000 mg/m ³
Slovenia	OEL TWA	2400 mg/m ³ (containing >=0.1% Butadiene)
Slovenia	OEL TWA [ppm]	1000 ppm (containing >=0.1% Butadiene)
Slovenia	OEL STEL	9600 mg/m ³ (containing >=0.1% Butadiene)
Slovenia	OEL STEL [ppm]	4000 ppm (containing >=0.1% Butadiene)
United Kingdom	WEL TWA (OEL TWA) [1]	1450 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	600 ppm

 	SAFETY DATA SHEET	Page : 9 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

butane (106-97-8)		
United Kingdom	WEL STEL (OEL STEL)	1810 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	750 ppm
Norway	Grenseverdi (OEL TWA) [1]	600 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	250 ppm
Norway	Korttidsverdi (OEL STEL)	750 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	312,5 ppm (value calculated)
Switzerland	MAK (OEL TWA) [1]	1900 mg/m ³ (Butane (all isomers))
Switzerland	MAK (OEL TWA) [2]	800 ppm (Butane (all isomers))
Switzerland	KZGW (OEL STEL)	7600 mg/m ³ (Butane both isomers)
Switzerland	KZGW (OEL STEL) [ppm]	3200 ppm (Butane both isomers)
Australia	OES TWA [1]	1900 mg/m ³
Australia	OES TWA [2]	800 ppm
Canada (Quebec)	VEMP (OEL TWA)	1900 mg/m ³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	800 ppm
USA - ACGIH	ACGIH OEL STEL [ppm]	1000 ppm (explosion hazard (Butane, isomers))
USA - IDLH	IDLH [ppm]	1600 ppm (>10% LEL)
USA - NIOSH	NIOSH REL TWA	1900 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	800 ppm
Isobutane (75-28-5)		
Austria	MAK (OEL TWA)	1900 mg/m ³ (Butane (all isomers))
Austria	MAK (OEL TWA) [ppm]	800 ppm (Butane (all isomers))
Austria	MAK (OEL STEL)	3800 mg/m ³ (Butane both isomers)
Austria	MAK (OEL STEL) [ppm]	1600 ppm (Butane both isomers)
Estonia	OEL TWA	1900 mg/m ³
Estonia	OEL TWA [ppm]	800 ppm
Finland	HTP (OEL TWA) [1]	1900 mg/m ³ (suffocating gas that displaces oxygen (Butane))
Finland	HTP (OEL TWA) [2]	800 ppm (suffocating gas that displaces oxygen (Butane))
Finland	HTP (OEL STEL)	2400 mg/m ³ (Butane)
Finland	HTP (OEL STEL) [ppm]	1000 ppm (Butane)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	2400 mg/m ³
Germany	Occupational exposure limit value (ppm) (TRGS900)	1000 ppm
Slovenia	OEL TWA	2400 mg/m ³
Slovenia	OEL TWA [ppm]	1000 ppm
Slovenia	OEL STEL	9600 mg/m ³
Slovenia	OEL STEL [ppm]	4000 ppm
Switzerland	MAK (OEL TWA) [1]	1900 mg/m ³ (including Butane (all isomers))
Switzerland	MAK (OEL TWA) [2]	800 ppm (including Butane (all isomers))
Switzerland	KZGW (OEL STEL)	7600 mg/m ³ (Butane both isomers)
Switzerland	KZGW (OEL STEL) [ppm]	3200 ppm (Butane both isomers)
USA - ACGIH	ACGIH OEL STEL [ppm]	1000 ppm (explosion hazard (Butane, isomers))

 	SAFETY DATA SHEET	Page : 10 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Isobutane (75-28-5)		
USA - NIOSH	NIOSH REL TWA	1900 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	800 ppm
Propane (74-98-6)		
Austria	MAK (OEL TWA)	1800 mg/m ³
Austria	MAK (OEL TWA) [ppm]	1000 ppm
Austria	MAK (OEL STEL)	3600 mg/m ³
Austria	MAK (OEL STEL) [ppm]	2000 ppm
Belgium	OEL TWA [ppm]	1000 ppm (gas)
Bulgaria	OEL TWA	1800 mg/m ³
Denmark	OEL TWA [1]	1800 mg/m ³
Denmark	OEL TWA [2]	1000 ppm
Estonia	OEL TWA	1800 mg/m ³
Estonia	OEL TWA [ppm]	1000 ppm
Finland	HTP (OEL TWA) [1]	1500 mg/m ³ (suffocating gas that displaces oxygen)
Finland	HTP (OEL TWA) [2]	800 ppm (suffocating gas that displaces oxygen)
Finland	HTP (OEL STEL)	2000 mg/m ³
Finland	HTP (OEL STEL) [ppm]	1100 ppm
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	1800 mg/m ³
Germany	Occupational exposure limit value (ppm) (TRGS900)	1000 ppm
Greece	OEL TWA	1800 mg/m ³
Greece	OEL TWA [ppm]	1000 ppm
Ireland	OEL STEL [ppm]	3000 ppm (calculated (Aliphatic hydrocarbon gases - Alkanes (C1-C4))
Latvia	OEL TWA	1800 mg/m ³
Latvia	OEL TWA [ppm]	1000 ppm
Poland	NDS (OEL TWA)	1800 mg/m ³
Portugal	OEL TWA [ppm]	1000 ppm
Romania	OEL TWA	1400 mg/m ³
Romania	OEL TWA [ppm]	778 ppm
Romania	OEL STEL	1800 mg/m ³
Romania	OEL STEL [ppm]	1000 ppm
Slovenia	OEL TWA	1800 mg/m ³
Slovenia	OEL TWA [ppm]	1000 ppm
Slovenia	OEL STEL	7200 mg/m ³
Slovenia	OEL STEL [ppm]	4000 ppm
Norway	Grenseverdi (OEL TWA) [1]	900 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	500 ppm
Norway	Korttidsverdi (OEL STEL)	1125 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	625 ppm (value calculated)
Switzerland	MAK (OEL TWA) [1]	1800 mg/m ³
Switzerland	MAK (OEL TWA) [2]	1000 ppm

 	SAFETY DATA SHEET		Page : 11 / 24
			Revision nr : 4.0
			Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor		Supersedes : 10/11/2022
			766-01-0347S (Original SDS: E61AUS901)

Propane (74-98-6)		
Switzerland	KZGW (OEL STEL)	7200 mg/m ³
Switzerland	KZGW (OEL STEL) [ppm]	4000 ppm
Canada (Quebec)	VEMP (OEL TWA)	1800 mg/m ³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	1000 ppm
USA - IDLH	IDLH [ppm]	2100 ppm (10% LEL)
USA - NIOSH	NIOSH REL TWA	1800 mg/m ³
USA - NIOSH	NIOSH REL TWA [ppm]	1000 ppm
USA - OSHA	OSHA PEL TWA [1]	1800 mg/m ³
USA - OSHA	OSHA PEL TWA [2]	1000 ppm
isopentane; 2-methylbutane (78-78-4)		
EU	IOEL TWA	3000 mg/m ³
EU	IOEL TWA [ppm]	1000 ppm
Austria	MAK (OEL TWA)	1800 mg/m ³ (Pentane all isomers)
Austria	MAK (OEL TWA) [ppm]	600 ppm (Pentane all isomers)
Austria	MAK (OEL STEL)	3600 mg/m ³ (Pentane, all isomers)
Austria	MAK (OEL STEL) [ppm]	1200 ppm (Pentane, all isomers)
Belgium	OEL TWA	1800 mg/m ³
Belgium	OEL TWA [ppm]	600 ppm
Belgium	OEL STEL	2250 mg/m ³
Belgium	OEL STEL [ppm]	750 ppm
Bulgaria	OEL TWA	3000 mg/m ³
Bulgaria	OEL TWA [ppm]	1000 ppm
Croatia	GVI (OEL TWA) [1]	3000 mg/m ³
Croatia	GVI (OEL TWA) [2]	1000 ppm
Cyprus	OEL TWA	3000 mg/m ³
Cyprus	OEL TWA [ppm]	1000 ppm
Czech Republic	PEL (OEL TWA)	3000 mg/m ³
Denmark	OEL TWA [1]	1500 mg/m ³ (Pentane, all isomers)
Denmark	OEL TWA [2]	500 ppm (Pentane, all isomers)
Estonia	OEL TWA	3000 mg/m ³
Estonia	OEL TWA [ppm]	1000 ppm
Finland	HTP (OEL TWA) [1]	1500 mg/m ³ (Pentane)
Finland	HTP (OEL TWA) [2]	500 ppm (Pentane)
Finland	HTP (OEL STEL)	1900 mg/m ³
Finland	HTP (OEL STEL) [ppm]	630 ppm
France	VME (OEL TWA)	3000 mg/m ³ (indicative limit)
France	VME (OEL TWA) [ppm]	1000 ppm (indicative limit)
Germany	Occupational exposure limit value (mg/m ³) (TRGS900)	3000 mg/m ³
Germany	Occupational exposure limit value (ppm) (TRGS900)	1000 ppm
Gibraltar	OEL TWA	3000 mg/m ³
Gibraltar	OEL TWA [ppm]	1000 ppm
Greece	OEL TWA	2950 mg/m ³

 	SAFETY DATA SHEET	Page : 12 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

isopentane; 2-methylbutane (78-78-4)		
Greece	OEL TWA [ppm]	1000 ppm
Hungary	AK (OEL TWA)	3000 mg/m ³
Ireland	OEL TWA [2]	1000 ppm
Ireland	OEL STEL [ppm]	3000 ppm (calculated)
Italy	OEL TWA	2000 mg/m ³
Italy	OEL TWA [ppm]	667 ppm
Latvia	OEL TWA	3000 mg/m ³
Latvia	OEL TWA [ppm]	1000 ppm
Lithuania	IPRV (OEL TWA)	3000 mg/m ³
Lithuania	IPRV (OEL TWA) [ppm]	1000 ppm
Luxembourg	OEL TWA	3000 mg/m ³
Luxembourg	OEL TWA [ppm]	1000 ppm
Malta	OEL TWA	3000 mg/m ³
Malta	OEL TWA [ppm]	1000 ppm
Netherlands	TGG-8u (OEL TWA)	1800 mg/m ³
Poland	NDS (OEL TWA)	3000 mg/m ³
Portugal	OEL TWA	3000 mg/m ³ (indicative limit value)
Portugal	OEL TWA [ppm]	1000 ppm (indicative limit value)
Romania	OEL TWA	3000 mg/m ³
Romania	OEL TWA [ppm]	1000 ppm
Slovakia	NPHV (OEL TWA) [1]	3000 mg/m ³
Slovakia	NPHV (OEL TWA) [2]	1000 ppm
Slovenia	OEL TWA	3000 mg/m ³
Slovenia	OEL TWA [ppm]	1000 ppm
Slovenia	OEL STEL	6000 mg/m ³
Slovenia	OEL STEL [ppm]	2000 ppm
Spain	VLA-ED (OEL TWA) [1]	3000 mg/m ³ (indicative limit value)
Spain	VLA-ED (OEL TWA) [2]	1000 ppm (indicative limit value)
Sweden	NGV (OEL TWA)	1800 mg/m ³ (Pentanes)
Sweden	NGV (OEL TWA) [ppm]	600 ppm (Pentanes)
Sweden	KTV (OEL STEL)	2000 mg/m ³ (Pentanes)
Sweden	KTV (OEL STEL) [ppm]	750 ppm (Pentanes)
United Kingdom	WEL TWA (OEL TWA) [1]	1800 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [2]	600 ppm
United Kingdom	WEL STEL (OEL STEL)	5400 mg/m ³ (calculated)
United Kingdom	WEL STEL (OEL STEL) [ppm]	1800 ppm (calculated)
Norway	Grenseverdi (OEL TWA) [1]	750 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	250 ppm
Norway	Korttidsverdi (OEL STEL)	937,5 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	312,5 ppm (value calculated)

 	SAFETY DATA SHEET	Page : 13 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

isopentane; 2-methylbutane (78-78-4)		
Switzerland	MAK (OEL TWA) [1]	1800 mg/m ³ (Pentane (all isomers))
Switzerland	MAK (OEL TWA) [2]	600 ppm (Pentane (all isomers))
Switzerland	KZGW (OEL STEL)	3600 mg/m ³ (Pentane (all isomers))
Switzerland	KZGW (OEL STEL) [ppm]	1200 ppm (Pentane (all isomers))
Canada (Quebec)	VEMP (OEL TWA) [ppm]	1000 ppm (Pentane (all isomers))
USA - ACGIH	ACGIH OEL TWA [ppm]	1000 ppm (Pentane, all isomers)

Additional information : Recommended monitoring procedures :. Personal air monitoring. Room air monitoring

8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. See Section 7 for information on safe handling. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.
Personal protective equipment	: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Wear chemically resistant gloves (tested to EN374) . Suitable material: Impervious gloves. Thickness : Not determined. Breakthrough time : Not determined. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	: Use suitable eye protection (EN166): tightly fitting safety goggles
Body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (DIN EN 140). full face mask (DIN EN 136). Filter type: A2/P2 (EN14387). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Grey.
Odour	: Solvent.
Odour threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butylacetate=1)	: 0,13
Melting / freezing point	: Not relevant
Freezing point	: No data available
Initial boiling point and boiling range	: Not relevant
Flash point	: -26 °C (closed cup)
Auto-ignition temperature	: Not relevant
Decomposition temperature	: Not relevant
Flammability	: Extremely flammable aerosol.

 	SAFETY DATA SHEET	Page : 14 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Vapour pressure	: 101,3 kPa
Vapour density	: 1,55
Relative density	: 0,68
Solubility	: Not relevant.
Partition coefficient n-octanol/water	: Not relevant
Kinematic viscosity	: < 20,5 mm ² /s (40 °C)
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: 1 – 9,5 %
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 100 %

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : 0,13

VOC content : 79,6 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will ignite if exposed to intensive heat and air. Risk of explosion by shock, friction, fire or other sources of ignition. No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. See Section 7 for information on safe handling.

10.5. Incompatible materials

Oxidising agents. Strong acids. Strong bases. See Section 7 for information on safe handling.

 	SAFETY DATA SHEET	Page : 15 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

10.6. Hazardous decomposition products

Reference to other sections 5.2.

SECTION 11: Toxicological information

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

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Pentane (109-66-0)	
LD50/oral/rat	> 2000 mg/kg
LD50/dermal/rabbit	3000 mg/kg
LC50/inhalation/4h/rat	364 g/m ³ (Exposure time: 4 h)
Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5,2 mg/l/4h
butane (106-97-8)	
LC50/inhalation/4h/rat	539600 ppm , 57,42% (Exposure time: 2 h)
Isobutane (75-28-5)	
LC50/inhalation/4h/rat	> 800000 ppm
LC50/inhalation/4h/rat (ppm)	> 800000 ppm (Exposure time: 15 min)
Propane (74-98-6)	
LC50/inhalation/4h/rat	513 mg/l/4h , 280000 ppm.
LC50/inhalation/4h/rat (ppm)	> 800000 ppm (Exposure time: 15 min)
Solvent naphtha (petroleum), medium aliph. (64742-88-7)	
LD50/oral/rat	> 25 ml/kg
LD50/dermal/rabbit	> 4000 mg/kg
LC50/inhalation/4h/rat	> 5,28 mg/l/4h
oxy dipropyl dibenzoate (27138-31-4)	
LD50/oral/rat	3914 mg/kg
LD50 oral	3914 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50/inhalation/4h/rat	> 200 mg/l/4h

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) Repeated exposure may cause skin dryness or cracking. pH: Not applicable
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

 	SAFETY DATA SHEET	Page : 16 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

oxy dipropyl dibenzoate (27138-31-4)	
NOAEL (oral, rat, 90 days)	≥ 1000 ml/kg

Aspiration hazard : May be fatal if swallowed and enters airways.

Corrosion Guard Rust Inhibitor	
Vaporizer	Aerosol
Kinematic viscosity	< 20,5 mm ² /s (40 °C)

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 is 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 %

11.2.2 Other information

Other information : Symptoms related to the physical, chemical and toxicological characteristics, For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Toxic to aquatic life with long lasting effects.

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

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Pentane (109-66-0)	
LC50 - Fish [1]	9,87 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 - Fish [2]	11,59 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 - Crustacea [1]	9,74 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	2,2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

butane (106-97-8)	
LC50 - Fish [1]	49,9 mg/l (QSAR)

Isobutane (75-28-5)	
LC50 - Fish [1]	24,11 – 147,54 mg/l (96h)
EC50 - Crustacea [1]	14,22 – 69,43 mg/l (48h)
ErC50 algae	7,71 – 19,37 mg/l

 	SAFETY DATA SHEET	Page : 17 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Propane (74-98-6)	
LC50 - Fish [1]	49,9 mg/l

Solvent naphtha (petroleum), medium aliph. (64742-88-7)	
LC50 - Fish [1]	800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h - Algae [1]	450 mg/l (Species: Pseudokirchneriella subcapitata)

oxy dipropyl dibenzoate (27138-31-4)	
LC50 - Fish [1]	3,7 mg/l (96h)(Pimephales promelas)
EC50 - Crustacea [1]	19,3 mg/l (48h)(Daphnia magna)
EC50 - Other aquatic organisms [1]	15 mg/l (72h)(Pseudokirchnerella subcapitata)

isopentane; 2-methylbutane (78-78-4)	
EC50 - Crustacea [1]	2,3 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Corrosion Guard Rust Inhibitor	
Persistence and degradability	No additional information available.

12.3. Bioaccumulative potential

Corrosion Guard Rust Inhibitor	
Partition coefficient n-octanol/water	Not relevant
Bioaccumulative potential	No additional information available.

Pentane (109-66-0)	
BCF - Fish [1]	171
Partition coefficient n-octanol/water	3,45 (at 25 °C (at pH 7)

Distillates (petroleum), hydrotreated light (64742-47-8)	
BCF - Fish [1]	61 – 159

butane (106-97-8)	
Partition coefficient n-octanol/water	2,89

Isobutane (75-28-5)	
BCF - Fish [1]	1,57 – 1,97

Propane (74-98-6)	
Partition coefficient n-octanol/water	2,3

 	SAFETY DATA SHEET		Page : 18 / 24
			Revision nr : 4.0
			Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor		Supersedes : 10/11/2022
			766-01-0347S (Original SDS: E61AUS901)

Solvent naphtha (petroleum), medium aliph. (64742-88-7)

BCF - Fish [1]	(bioaccumulation expected)
----------------	----------------------------

isopentane; 2-methylbutane (78-78-4)

Partition coefficient n-octanol/water	4 (at 25 °C (at pH 6.6)
---------------------------------------	-------------------------

12.4. Mobility in soil

Corrosion Guard Rust Inhibitor

Mobility in soil	No data available
------------------	-------------------

12.5. Results of PBT and vPvB assessment

Corrosion Guard Rust Inhibitor

Results of PBT assessment	Not applicable
---------------------------	----------------

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 is 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 %

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product : Do not pierce or burn, even after use. Never use pressure to empty container.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities
The following Waste Codes are only suggestions:
08 01 11*
(waste paint and varnish containing organic solvents or other dangerous substances)

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
1950	1950	1950	1950	1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS

 	SAFETY DATA SHEET	Page : 19 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Classification code (ADR) : 5F
Special provisions : 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) : 2
Special provisions for carriage - Packages (ADR) : V14
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12
Special provisions for carriage - Operation (ADR) : S2
Tunnel restriction code : D

- 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

 	SAFETY DATA SHEET	Page : 20 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

Stowage and handling (IMDG) : SW1, SW22

Segregation (IMDG) : SG69

- 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) : A145, A167, A802
ERG code (IATA) : 10L

- Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : 5F
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) : 2
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) : 23

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC : No data available.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Listed on REACH Annex XVII (Restriction Conditions). The following restrictions are applicable:

 	SAFETY DATA SHEET	Page : 21 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022 766-01-0347S (Original SDS: E61AUS901)

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Corrosion Guard Rust Inhibitor ; Pentane ; Distillates (petroleum), hydrotreated light ; Solvent naphtha (petroleum), medium aliph. ; isopentane; 2-methylbutane
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Corrosion Guard Rust Inhibitor ; Pentane ; Distillates (petroleum), hydrotreated light ; Solvent naphtha (petroleum), medium aliph. ; isopentane; 2-methylbutane
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Corrosion Guard Rust Inhibitor ; Pentane ; Distillates (petroleum), hydrotreated light ; Solvent naphtha (petroleum), medium aliph. ; isopentane; 2-methylbutane
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Pentane ; Distillates (petroleum), hydrotreated light ; butane ; Isobutane ; Propane ; Solvent naphtha (petroleum), medium aliph. ; isopentane; 2-methylbutane

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

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

VOC content : 79,6 %

15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4320.text	Aérosols extrêmement inflammables ou inflammables de catégorie 1 ou 2 contenant des gaz inflammables de catégorie 1 ou 2 ou des liquides inflammables de catégorie 1.		
4320.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 150 t Nota. — Les aérosols inflammables sont classés conformément à la directive 75/324/ CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 150 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	A	2
4320.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 15 t et inférieure à 150 t Nota. — Les aérosols inflammables sont classés conformément à la directive 75/324/ CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 150 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	D	
4511.text	Dangereux pour l'environnement aquatique de catégorie chronique 2.		
4511.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 200 t Quantité seuil bas au sens de l'article R. 511-10 : 200 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	A	1

 	SAFETY DATA SHEET	Page : 22 / 24
		Revision nr : 4.0
		Issue date : 21/02/2023
	Corrosion Guard Rust Inhibitor	Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

4511.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 100 t mais inférieure à 200 t Quantité seuil bas au sens de l'article R. 511-10 : 200 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	DC	
--------	---	----	--

Germany

Regulatory reference	: WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)
German storage class (LGK)	: LGK 2B - Aerosol dispensers and lighters
Hazardous Incident Ordinance (12. BImSchV)	: Listed in the 12. BImSchV (Annex I) under: 1.2.3.1 Quantity threshold for operational area under § 1 para. 1 - Sentence 1: 150000 kg - Sentence 2: 500000 kg Listed in the 12. BImSchV (Annex I) under: 1.3.2 Quantity threshold for operational area under § 1 para. 1 - Sentence 1: 200000 kg - Sentence 2: 500000 kg

Netherlands

Waterbezwaarlijkheid	: A (2) - Vergiftig voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken
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

Denmark

Classification remarks	: Add boilingpoint; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

Not applicable

For the following substances of this mixture a chemical safety assessment has been carried out	
butane	
Isobutane	
Propane	
oxy dipropyl dibenzoate	

SECTION 16: Other information

Indication of changes:

1	Logo	Modified	
1.1	Product code	Modified	

Abbreviations and acronyms:

 	SAFETY DATA SHEET	Page : 23 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : ECHA (European Chemicals Agency). LOLI. Supplier SDS.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Other information : Classification - Assessment method: CLP Calculation method (Article 9). Physicochemical hazard assessment: Information given is based on tests on the mixture itself.

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 3	Flammable liquids, Category 3

 	SAFETY DATA SHEET	Page : 24 / 24
		Revision nr : 4.0
	Corrosion Guard Rust Inhibitor	Issue date : 21/02/2023
		Supersedes : 10/11/2022
		766-01-0347S (Original SDS: E61AUS901)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.