Aluminium Wheelpaint

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 27/10/2014 Revision date: 08/10/2018 Supersedes version of: 26/08/2015 Version: 1.3

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

1.1. Product identifier

Product form : Mixture
Product name : Aluminium Wheelpaint
UFI : CJWR-05RP-S007-GYEY
Product code : 646
Article number : 64604

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

1.2.1. Relevant identified uses

Function or use category : Paint.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV
Maxwellstraat 41
3316 GP Dordrecht
Nederland
T 0031 78 651 2322 - F 0031 78 617 4848
mjkooijman@bardahl.nl - www.bardahl.nl

1.4. Emergency telephone number

Emergency number : +31 (0) 6 54924171
During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1	H222;H229
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336

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

Adverse physicochemical, human health and environmental effects

Inhalation of fumes or vapours may cause respiratory irritation. May irritate eyes and skin. May cause headache, nausea and irritation of respiratory tract. The preparation is not classified as "dangerous for the environment.". Can form explosive mixture with air. Exposure to fire may cause containers to rupture/explode.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Danger

Contains : 1-methoxy-2-propanol; monopropylene glycol methyl ether; acetone; propan-2-one; propanone

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, face protection.
P261 - Avoid breathing vapours, spray.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container in accordance with local regulations.
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 - Pressurized container: Do not pierce or burn, even after use.
P264 - Wash hands, forearms and face thoroughly after handling.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

vPvB: not relevant – no registration required
Contains no PBT/vPvB substances ≥ 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 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

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	30 – 60	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butane (Note U)(Note C)	CAS-No.: 106-97-8 EC-No.: 203-448-7 REACH-no: 01-2119474691-32	10 – 30	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
propane (Note U)	CAS-No.: 74-98-6 EC-No.: 200-827-9 REACH-no: 01-2119486944-21	10 – 30	Flam. Gas 1A, H220 Press. Gas
Isobutane	CAS-No.: 75-28-5 EC-No.: 200-857-2 REACH-no: 01-2119485395-27	5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
xylene (Note C)	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
1-methoxy-2-propanol; monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC-No.: 203-539-1 REACH-no: 01-2119457435-35	1 – 5	Flam. Liq. 3, H226 STOT SE 3, H336
2-butoxyethanol; ethylene glycol monobutyl ether	CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Aliphatic Hydrocarbon	CAS-No.: 64742-88-7 EC-No.: 265-191-7	< 1	Not classified
Solvent naphtha (petroleum), light aromatic	CAS-No.: 64742-95-6 EC-No.: 265-199-0 REACH-no: 01-2119486773-24	< 1	Acute Tox. 4 (Inhalation:dust,mist), H332 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:. Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

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 : Assure fresh air breathing. Seek medical attention if ill effect develops.

First-aid measures after inhalation : Allow affected person to breathe fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep the victim warm. Allow the victim to rest. Obtain emergency medical attention.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. If you feel unwell, seek medical advice (show the label where possible).

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. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical attention if irritation develops.

First-aid measures after ingestion : Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention if ill effect develops.

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

Symptoms/effects after inhalation : Exposition on high concentrations can cause : May cause headache, nausea and irritation of respiratory tract. This material or its emissions may affect the central nervous system and/or aggravate pre-existing disorders.

Symptoms/effects after skin contact : Effects of skin contact may include : redness. Skin irritation.

Symptoms/effects after eye contact : Irritating to eyes. Redness, pain.

Symptoms/effects after ingestion : Ingestion unlikely.

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

No specific first aid measures are required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Powder. Dry chemical. Sand. Dolomite. Water spray. Water haze.

5.2. Special hazards arising from the substance or mixture

Fire hazard : High temperature may liberate toxic gases.

Explosion hazard : Heating may cause an explosion.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Wear suitable protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. No open flames. No smoking. Do not breathe gas, fumes, vapour or spray. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Wear proper protective equipment.

6.2. Environmental precautions

Not relevant.

6.3. Methods and material for containment and cleaning up

Other information : Wear suitable protective clothing. Eliminate every possible source of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ventilate area. Clear all other personnel from the area.

6.4. Reference to other sections

See Section 8. See Heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid contact with skin and eyes. Do not breathe gas, fumes, vapour or spray.
Precautions for safe handling : Ensure all national/local regulations are observed. Wear suitable respiratory equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in dry, cool, well-ventilated area.
Incompatible materials : heat. sparks. Open flame. Direct sunlight. Moisture.

7.3. Specific end use(s)

Aerosolized paint spray.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	1-Methoxypropanol-2
IOEL TWA	375 mg/m³
IOEL TWA [ppm]	100 ppm
IOEL STEL	568 mg/m³
IOEL STEL [ppm]	150 ppm
Remark	Skin

acetone; propan-2-one; propanone (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Acetone
IOEL TWA	1210 mg/m³
IOEL TWA [ppm]	500 ppm

propane (74-98-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA [ppm]	1000 ppm

xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	221 mg/m³ (Xylene, mixed isomers, pure; EU; Timeweighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL TWA [ppm]	50 ppm (Xylene, mixed isomers, pure; EU; Timeweighted average exposure limit 8 h; Indicative occupational exposure limit value)
IOEL STEL	442 mg/m³ (Xylene, mixed isomers, pure; EU; Short time value; Indicative occupational exposure limit value)

xylene (1330-20-7)	
IOEL STEL [ppm]	100 ppm (Xylene, mixed isomers, pure; EU; Short time value; Indicative occupational exposure limit value)

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

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:
Gloves. Protective goggles.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product.

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing

Hand protection:
Safety gloves

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Use protection with appropriate chemical pattern.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:
No smoking. Good ventilation of the workplace required. 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 during use. Remove contaminated clothing immediately.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Silver.
Appearance	:	Aerosol.
Odour	:	characteristic.

Odour threshold	:	Not available
Melting point	:	The resin binder in the paint film begins to soften at temperatures in excess of 60 degrees celsius.
Freezing point	:	Not available
Boiling point	:	The boiling point of the lowest boiling point material is minus 104 degrees celcius (-104). This is the boiling point of the propellant (LPG - Liquified Petroleum Gas).
Flammability	:	Not available
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	The flash point of the lowest flash point material is minus 104 degrees celcius (-104). This is the flash point of the propellant (LPG - Liquified Petroleum Gas).
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	:	590 – 1760 kPa
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	< 1 Ambient
Relative vapour density at 20°C	:	>1 (Heavier than air)
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits	:	0.8 – 13 vol %

9.2.2. Other safety characteristics

VOC content	:	632 g/l Aerosol products which are used for vehicle refinishing are classed as Annex IIB subcategory (e). The maximum permitted VOC's are 840 g/l. The typical VOC content for this range of products is between 625 and 675 g/l. The VOC regulations do not apply to any other aerosol products except those which are used for vehicle refinishing.

SECTION 10: Stability and reactivity

10.1. Reactivity

In use may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sources of ignition. Direct sunlight.

10.5. Incompatible materials

Strong oxidizers. Strong bases. Strong acids.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

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

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	13000 mg/kg
LC50 Inhalation - Rat	6 mg/l/4h

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
LD50 oral rat	1480 mg/kg
LD50 dermal rabbit	400 mg/kg

acetone; propan-2-one; propanone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	7800 mg/kg
LC50 Inhalation - Rat	> 20 mg/l/4h

Butane (106-97-8)	
LC50 Inhalation - Rat	658 mg/l/4h

Isobutane (75-28-5)	
LC50 Inhalation - Rat	> 50 mg/l/4h

propane (74-98-6)	
LC50 Inhalation - Rat	20 mg/l/4h

xylene (1330-20-7)	
LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 Inhalation - Rat	6350 mg/l/4h

Skin corrosion/irritation : Prolonged or repeated contact may cause skin to become dry or cracked. May degrease the skin. Irritating to skin. Eczema.
Serious eye damage/irritation : Irritating to eyes. May cause chemical eye burns.
Respiratory or skin sensitisation : May cause respiratory irritation. Vapours may cause drowsiness and dizziness. Headache
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.

1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)	
STOT-single exposure	May cause drowsiness or dizziness.

acetone; propan-2-one; propanone (67-64-1)	
LOAEL (oral, rat)	5800 mg/kg bodyweight OECD 401
LOAEL (dermal, rat/rabbit)	2000 mg/kg bodyweight OECD 402
LOAEC (inhalation, rat, gas)	30000 ppmv/4h
LOAEC (inhalation, rat, vapour)	71 mg/l/4h

acetone; propan-2-one; propanone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

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

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
LC50 - Fish [1]	1490 mg/l
EC50 - Crustacea [1]	1815 mg/l
EC50 72h - Algae [1]	1490 mg/l
EC50 72h - Algae [2]	911 mg/l

acetone; propan-2-one; propanone (67-64-1)	
LC50 - Fish [1]	6210 mg/l Pimephales promelas; normal concentration
LC50 - Fish [2]	5540 mg/l Salmo gairdneri (Oncorhynchus mykiss)
EC50 - Crustacea [1]	8800 mg/l
TLM - Fish [1]	13000 ppm 96h Gambusia affinis; Turbulent water
TLM - Fish [2]	> 1000 ppm 96h Pisces
Threshold limit - Other aquatic organisms [1]	3000 mg/l Plankton
Threshold limit - Other aquatic organisms [2]	28 mg/l Protozoa
Threshold limit - Algae [1]	7500 mg/l Scenedesmus quadricauda; ph=7
Threshold limit - Algae [2]	3400 mg/l 48h Chlorella sp.

Butane (106-97-8)	
LC50 - Fish [1]	680 mg/l

xylene (1330-20-7)	
LC50 - Other aquatic organisms [1]	8.9 – 16.4 mg/l (Pimephales promelas 96h)
EC50 - Crustacea [1]	3.2 – 9.5 mg/l (Daphnia magna) (48h)

12.2. Persistence and degradability

Aluminium Wheelpaint	
Persistence and degradability	This material is expected to be readily biodegradable.

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Biodegradation	96 %

acetone; propan-2-one; propanone (67-64-1)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1.43 g O_2/g substance
Chemical oxygen demand (COD)	1.92 g O_2/g substance
ThOD	2.2 g O_2/g substance
BOD (% of ThOD)	0.872 % ThOD 20 days

Butane (106-97-8)	
Persistence and degradability	Readily biodegradable.

Isobutane (75-28-5)	
Persistence and degradability	Readily biodegradable.

propane (74-98-6)	
Persistence and degradability	Readily biodegradable.

xylene (1330-20-7)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Aluminium Wheelpaint	
Bioaccumulative potential	Bioaccumulation potential.

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Partition coefficient n-octanol/water (Log Pow)	0.83
Bioaccumulative potential	Low.

acetone; propan-2-one; propanone (67-64-1)	
BCF - Fish [1]	0.69 Pisces
BCF - Other aquatic organisms [1]	3
Partition coefficient n-octanol/water (Log Pow)	-0.24 Test data
Bioaccumulative potential	Not established.

xylene (1330-20-7)	
BCF - Fish [2]	7 – 26
Bioconcentration factor (BCF REACH)	< 500
Partition coefficient n-octanol/water (Log Pow)	3.2

12.4. Mobility in soil

Aluminium Wheelpaint	
Ecology - soil	The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Surface tension	2.729 N/m
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	8

Butane (106-97-8)	
Ecology - soil	If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

Isobutane (75-28-5)	
Ecology - soil	If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

propane (74-98-6)	
Ecology - soil	If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

xylene (1330-20-7)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Results of PBT and vPvB assessment

Aluminium Wheelpaint
vPvB: not relevant – no registration required

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point.

Additional information : Do not pierce or burn, even after use.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				

ADR	IMDG	IATA	ADN	RID
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) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1l
Excepted quantities (ADR) : E0
Packing instructions (ADR) : P207, LP02
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 (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959
Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0
Packing instructions (IMDG) : P207, LP02
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None

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
ERG code (IATA) : 10L

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 19, 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, LP02
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

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)

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)

VOC Directive (2004/42)

VOC content : 632 g/l Aerosol products which are used for vehicle refinishing are classed as Annex IIB subcategory (e). The maximum permitted VOC's are 840 g/l. The typical VOC content for this range of products is between 625 and 675 g/l. The VOC regulations do not apply to any other aerosol products except those which are used for vehicle refinishing.

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)
ANNEX II REPORTABLE EXPLOSIVES PRECURSORS
List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

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

No additional information available

15.2. Chemical safety assessment

No

SECTION 16: Other information

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
1.2	Function or use category	Added	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
15.2	Chemical safety assessment	Modified	

Abbreviations and acronyms:	
	Abbreviations and acronyms: RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ICAO: International Civil Aviation Organization ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.

Full text of H- and EUH-statements:	
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.
Muta. 1B	Germ cell mutagenicity, Category 1B
Press. Gas	Gases under pressure
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

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.