

Productname :	MARKER PAINT	Creationdate :	09.03.20 Version : 3.1
Ref.Nr.:	BDS001588_3_20200309 (EN)	Replaces:	BDS001588_20200305

Classification is based on test data.

Health: Eye irritation, category 2
Causes serious eye irritation.
Specific target organ toxicity - single exposure, category 3
May cause drowsiness or dizziness.

Classification based on calculation method.

Environment: Not classified

Classification based on calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
ethyl acetate
n-butyl acetate

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s): H222 : Extremely flammable aerosol.
H229 : Pressurised container: May burst if heated.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.

Precautionary statement(s): 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.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 : Use only outdoors or in a well-ventilated area.
P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information: Repeated exposure may cause skin dryness or cracking.

Contains:
Polyhydroxyalkylamides
May produce an allergic reaction.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

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3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	25-50	Flam. Gas 1, Press. Gas	H220,H280	A
n-butyl acetate	01-2119485493-29	123-86-4	204-658-1	20-25	Flam. Liq. 3, STOT SE 3	H226,H336	
ethyl acetate	01-2119475103-46	141-78-6	205-500-4	10-25	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
xylene		1330-20-7	215-535-7	5-10	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1	H226,H312,H332,H315,H304	A,W
2-methoxy-1-methylethyl acetate	01-2119475791-29	108-65-6	203-603-9	1-2	Flam. Liq. 3	H226	A
Polyhydroxyalkylamides	01-0000017633-70	-	430-050-2	<0.5	Skin Sens. 1, Aquatic Chronic 2	H317,H411	

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

W : Note: substance mentioned on the list of CMR-substances of the Dutch Ministry of Social Affairs and Employment (SZW)

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Contact with skin :	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation :	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion :	If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	May cause irritation. Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain

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

General Advice : If you feel unwell, seek medical advice (show the label where possible)



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If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed



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Use explosion-proof electrical/ventilating/lighting/.../equipment.
 Use only non-sparking tools.
 Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 Wear protective gloves/protective clothing/eye protection/face protection.
 Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep out of reach of children.

7.3. Specific end use(s)

Paints

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
ethyl acetate	141-78-6	TWA	200 ppm
		STEL	400 ppm
National established exposure limits, United Kingdom			
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 ppm
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
ethyl acetate	141-78-6	TWA	200 ppm
		STEL	400 ppm
National established exposure limits, Ireland			
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 ppm
dimethyl ether	115-10-6	TWA	1000 ppm

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		STEL	-
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
ethyl acetate	141-78-6	TWA	200 ppm
		STEL	400 ppm

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation Wear suitable protective gloves
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
hands and skin :	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
eyes :	Wear safety eyewear according to EN 166.
Environmental protection:	Avoid release to the environment. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Appearance : physical state :	DME propelled liquid.
colour :	Black.
odour :	Characteristic odor.
pH :	Not applicable.
Boiling point/range :	Not available.
Flash point :	- 39 °C
Evaporation rate :	Not available.
Explosion limits : upper limit :	21.5 %
lower limit :	2.8 %
Vapour pressure :	Not available.
Relative density :	0.804 g/cm ³ (@ 20°C).
Solubility in water :	Insoluble in water
Auto-ignition :	293 °C
Viscosity :	Not available.

9.2. Other information



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dizziness
Ingestion : May cause gastrointestinal disturbances
Skin contact : May cause irritation.
Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
2-methoxy-1-methylethyl acetate	108-65-6	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	10.8 mg/l
		LD50 derm.rat	> 5000 mg/kg
dimethyl ether	115-10-6	LD50 derm.rabit	> 5000 mg/kg
		LC50 inhal.rat	309 mg/l
n-butyl acetate	123-86-4	LD50 oral rat	10760 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 1400 mg/kg
ethyl acetate	141-78-6	LD50 oral rat	5620 mg/kg
		LC50 inhal.rat	30 mg/l
		LD50 derm.rabit	> 20000 mg/kg

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

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
2-methoxy-1-methylethyl acetate	108-65-6	LC50 fish	100-180 mg/l
		EC50 daphnia	> 400 mg/l
dimethyl ether	115-10-6	IC50 algae	154.9 mg/l
		LC50 fish	4.1 mg/l
		EC50 daphnia	4.4 mg/l
n-butyl acetate	123-86-4	IC50 algae	647 mg/l
		LC50 fish	18 mg/l
		EC50 daphnia	44 mg/l
ethyl acetate	141-78-6	IC50 algae	5600 mg/l
		LC50 fish	230 mg/l
		EC50 daphnia	610 mg/l

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

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No experimental data available

12.4. Mobility in soil

No experimental data available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Do not allow to enter public sewers and watercourses
GWP (global warming potential): 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally
hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally
hazardous: No



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14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)
IMDG - Ems: F-D, S-U
IATA/ICAO - PAX: 203
IATA/ICAO - CAO: 203

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H336 : May cause drowsiness or dizziness.
H411 : Toxic to aquatic life with long lasting effects.

acronyms and synonyms: TWA = time weight average
STEL = short time exposure limit
VOC = volatile organic compounds
PBT = persistent bioaccumulative toxic
vPvB = very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.



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