

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

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

### 1.1 Product identifier

- Trade name: **Paint Sprays for Plastic Parts**
- Article number: 70241, 70242, 70243, 70244, 70245

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

- Application of the substance / the mixture: Lacquer
- No further relevant information available.

### 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg
- Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

### Further information obtainable from:

Laboratory

### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.  
+44 (171) 635 91 91  
National Poison Inform. Centre  
Medical Toxicology Unit  
Avalonley Road  
London SE14 5ER

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319

Causes serious eye irritation.

STOT SE 3 H336

May cause drowsiness or dizziness.

### Response:

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.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

### Storage:

Store in a well-ventilated place. Keep cool.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Store locked up.

### 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

### Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02

GHS07

(Contd. on page 2)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 1)

- Signal word Danger
- Hazard-determining components of labelling: acetone  
n-butyl acetate  
2-methoxy-1-methylethyl acetate  
ethyl acetate
- Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- Precautionary statements P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe spray.  
P280 Wear protective gloves / eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.  
Contains epoxy constituents. May produce an allergic reaction.  
Buildup of explosive mixtures possible without sufficient ventilation.
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures**

- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether ⚠ Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	12.5-25%

(Contd. on page 3)

-GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 2)

CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane ⚠ Flam. Gas 1, H220 Press. Gas (Comp.), H280	<12.5%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane ⚠ Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-211947591-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	<10%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	1-5%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane ⚠ Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	1-5%
CAS: 9004-70-0 Index number: 603-037-00-6	nitrocellulose solutions, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose ⚠ Flam. Sol. 1, H228	1-5%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32; 01-2119486136-34	reaction mass of ethylbenzole and xylene ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

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

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Rinse with warm water.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

- Information for doctor: Breathing difficulty  
Dizziness  
Dizziness  
Headache  
Therapy in hydrocarbons intoxication: In case of inhalation provision of fresh air; in case of peroral intake administration of Carbo medicinalis; only after intubation conduct of gastrolavage in application of Carbo medicinalis; in case of cramps administration of Diazepam 20 mg intravenously.

(Contd. on page 4)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name:** Paint Sprays for Plastic Parts

(Contd. of page 3)

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

\* **SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· For safety reasons unsuitable extinguishing agents:

Water with full jet

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

\* **SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Ensure adequate ventilation

· **6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

\* **SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling**

Open and handle receptacle with care.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

· Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 4)

**7.2 Conditions for safe storage, including any incompatibilities**· Storage:· Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.  
Store in a cool location.

· Information about storage in one common storage facility:

Store away from flammable substances.

· Further information about storage conditions:

Do not seal receptacle gas tight.  
Protect from heat and direct sunlight.  
Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**· Additional information about design of technical facilities:

No further data; see item 7.

· **8.1 Control parameters**· Ingredients with limit values that require monitoring at the workplace:**67-64-1 acetone**

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm  
Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

**115-10-6 dimethyl ether**

WEL Short-term value: 958 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 766 mg/m<sup>3</sup>, 400 ppm

**106-97-8 butane**

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)

**123-86-4 n-butyl acetate**

WEL Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

**108-65-6 2-methoxy-1-methylethyl acetate**

WEL Short-term value: 548 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 274 mg/m<sup>3</sup>, 50 ppm  
Sk

**141-78-6 ethyl acetate**

WEL Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm  
Long-term value: 734 mg/m<sup>3</sup>, 200 ppm

· DNELs**67-64-1 acetone**

Oral	DNEL (Langzeit-wiederholt)	62 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	186 mg/kg bw/day (ARB) 62 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2,420 mg/m <sup>3</sup> Air (ARB)
	DNEL (Langzeit-wiederholt)	1,210 mg/m <sup>3</sup> Air (ARB)
		200 mg/m <sup>3</sup> Air (BEV)

**115-10-6 dimethyl ether**

Inhalative	DNEL (Langzeit-wiederholt)	1,894 mg/m <sup>3</sup> Air (ARB) 471 mg/m <sup>3</sup> Air (BEV)
------------	----------------------------	--

(Contd. on page 6)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 5)

**123-86-4 n-butyl acetate**

Oral	DNEL (Kurzzeit-akut)	2 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	11 mg/kg bw/day (ARB) 6 mg/kg bw/day (BEV)
	DNEL ( Langzeit-wiederholt)	11 mg/kg bw/day (ARB) 6 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	960 mg/m <sup>3</sup> Air (ARB) 859.7 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)	480 mg/m <sup>3</sup> Air (ARB) 102.34 mg/m <sup>3</sup> Air (BEV)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	DNEL (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	153.5 mg/kg bw/day (ARB) 54.8 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	550 mg/m <sup>3</sup> Air (ARB)
Inhalative	DNEL (Langzeit-wiederholt)	275 mg/m <sup>3</sup> Air (ARB) 33 mg/m <sup>3</sup> Air (BEV)

**141-78-6 ethyl acetate**

Oral	DNEL (Langzeit-wiederholt)	4.5 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	63 mg/kg bw/day (ARB) 37 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	1,468 mg/m <sup>3</sup> Air (ARB) 734 mg/m <sup>3</sup> Air (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	734 mg/m <sup>3</sup> Air (ARB) 367 mg/m <sup>3</sup> Air (BEV)

**reaction mass of ethylbenzole and xylene**

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	180 mg/kg bw/day (ARB) 108 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	289-442 mg/m <sup>3</sup> Air (ARB) 260 mg/m <sup>3</sup> Air (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	77 mg/m <sup>3</sup> Air (ARB) 14.8-65.3 mg/m <sup>3</sup> Air (BEV)

## · PNECs

**67-64-1 acetone**

PNEC (wässrig)	100 mg/l (KA)
	1.06 mg/l (MW)
	10.6 mg/l (SW)
	21 mg/l (WAS)
PNEC (fest)	29.5 mg/kg Trockengew (BO)
	3.04 mg/kg Trockengew (MWS)
	30.4 mg/kg Trockengew (SWS)

**115-10-6 dimethyl ether**

PNEC (wässrig)	180 mg/l (KA)
	0.016 mg/l (MW)

(Contd. on page 7)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 6)

PNEC (fest)	0.155 mg/l (SW) 0.045 mg/kg Trockengew (BO) 0.069 mg/kg Trockengew (MWS) 0.681 mg/kg Trockengew (SWS)
<b>123-86-4 n-butyl acetate</b>	
PNEC (wässrig)	35.6 mg/l (KA) 0.018 mg/l (MW) 0.18 mg/l (SW) 0.36 mg/l (WAS)
PNEC (fest)	0.0903 mg/kg Trockengew (BO) 0.0981 mg/kg Trockengew (MWS) 0.981 mg/kg Trockengew (SWS)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
PNEC (wässrig)	100 mg/l (KA) 0.0635 mg/l (MW) 0.635 mg/l (SW) 6.35 mg/l (WAS)
PNEC (fest)	0.29 mg/kg Trockengew (BO) 0.329 mg/kg Trockengew (MWS) 3.29 mg/kg Trockengew (SWS)
<b>141-78-6 ethyl acetate</b>	
PNEC (wässrig)	650 mg/l (KA) 0.024 mg/l (MW) 0.24 mg/l (SW) 1.65 mg/l (WAS)
PNEC (fest)	0.148 mg/kg Trockengew (BO) 0.115 mg/kg Trockengew (MWS) 1.15 mg/kg Trockengew (SWS)
<b>reaction mass of ethylbenzole and xylene</b>	
PNEC (wässrig)	6.58 mg/l (KA) 0.327 mg/l (MW) 0.327 mg/l (SW)
PNEC (fest)	2.31 mg/kg Trockengew (BO) 12.46 mg/kg Trockengew (MWS) 12.46 mg/kg Trockengew (SWS)

· Additional information: The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

(Contd. on page 8)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

### Trade name: Paint Sprays for Plastic Parts

(Contd. of page 7)

· Respiratory protection:

Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

· Material of gloves

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level  $\leq$  1, 10 min

· As protection from splashes gloves made of the following materials are suitable:

Butyl rubber, BR

Butoject (KCL, Art\_No. 897, 898)

· Not suitable are gloves made of the following materials:

Natural rubber, NR

Nitrile rubber, NBR

Chloroprene rubber, CR

Neoprene gloves

Leather gloves

Strong material gloves

· Eye protection:



Tightly sealed goggles

· Body protection:

Protective work clothing

(Contd. on page 9)

GB



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name:** Paint Sprays for Plastic Parts

(Contd. of page 8)

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Aerosol
Colour:	Different according to colouring
Odour:	Specific type

· pH-value: Not applicable

##### · Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not applicable, as aerosol.

· Flash point: Not applicable, as aerosol.

· Ignition temperature: 240 °C

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

Lower:	1.7 Vol %
Upper:	26.2 Vol %

· Vapour pressure at 20 °C: 8,300 hPa

· Density at 20 °C: 0.73 g/cm<sup>3</sup>

##### · Solubility in / Miscibility with water:

Not miscible or difficult to mix.

##### · Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

##### · Solvent content:

Organic solvents: 94.2 %

Solids content: 6.3 %

· 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

#### · 10.2 Chemical stability

##### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

#### · 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### · 10.4 Conditions to avoid

No further relevant information available.

#### · 10.5 Incompatible materials:

No further relevant information available.

#### · 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

· Acute toxicity: Based on available data, the classification criteria are not met.

(Contd. on page 10)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 9)

· LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Dermal	LD50	117,533 mg/kg
Inhalative	LC50/4 h	373-394 mg/l (rat)

**67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat) (OECD 401)
	NOEL	900 mg/kg (rat)
Dermal	LD50	15,688 mg/kg (rat) >15,800 mg/kg (rbt)
	Inhalative	LC50/4 h
Inhalative	NOAEL	22,500 mg/m <sup>3</sup> (rat)
	LC50/48h	8,450 mg/l (cru)
		2,262 mg/l (daphnia magna)

**115-10-6 dimethyl ether**

Inhalative	LC50/4h	164,000 mg/m <sup>3</sup> (rat)
	LC50/4 h	308 mg/l (rat)
	LC50/48h	>4,000 mg/l (daphnia magna)

**106-97-8 butane**

Inhalative	LC50/4 h	658 mg/l (rat)
------------	----------	----------------

**123-86-4 n-butyl acetate**

Oral	LD50	10,800 mg/kg (rat) (OECD 423)
Dermal	LD50	>17,600 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>21 mg/l (rat) (OECD 403)
	LC50	390 mg/m <sup>3</sup> (rat)
	LC50/48h	64 mg/l (Brachydanio rerio)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8,532 mg/kg (rat)
	NOAEL-Werte	1,500 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit) >2,000 mg/kg (rat)
	Inhalative	LC50/4h
LC50		>23.8 mg/l (rat)
LC50/4 h		35.7 mg/l (rat)
LC50/48h		100 mg/l (Desmodesmus subspicatus)

**141-78-6 ethyl acetate**

Oral	LD50	4,100 mg/kg (mouse)
		5,620 mg/kg (rat)
		4,934 mg/kg (rbt)
Dermal	LD50	NOAEL-Werte 900 mg/kg (rat)
		>18,000 mg/kg (rabbit)
Inhalative	LC50	58 mg/l (rat)
	LC50/4 h	1,600 mg/l (rat)
	LC50/1h	200 mg/l (rat)
	LC50/8h	5.86 mg/l (rat)
	LC50/48h	333 mg/l (Leuciscus idus)

(Contd. on page 11)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 10)

**75-28-5 isobutane**

Inhalative	LC50/4 h	>50 mg/l (rat)
------------	----------	----------------

**reaction mass of ethylbenzole and xylene**

Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m <sup>3</sup> (rat)
	LC50/4 h	6.35-6.7 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**· **12.1 Toxicity**· Aquatic toxicity:**67-64-1 acetone**

EC50/96h	7,200 mg/l (green alge)
	8,300 mg/l (piscis)
	8,300 mg/l (lepomis macrochirus)
	7,500 mg/l (selenastrum capricornutum)
EC50	1,700 mg/l (bacteria)
LC50	6,368 mg/l (piscis)
EC5/16h	1,700 mg/l (pseudomonas putida)
EC5/72h	28 mg/l (Entosiphon sulcatum)
EC5/8d	530 mg/l (Microcystis aeruginosa)
IC5/8d	7,500 mg/l (Scenedesmus quadricauda)
EC50/48h	3,400 mg/l (green alge)
	8,800 mg/l (daphnia magna)
NOEC	1,700 mg/kg (pseudomonas putida)
	4,740 mg/kg (selenastrum capricornutum)
NOELR/28d	2,212 mg/l (daphnia magna)
EC50/48h	12,600 mg/l (Danio rerio.)
	6,100 mg/l (daphnia magna)
LC50/96h	8,300 mg/l (lem)
	8,300 mg/l (lepomis macrochirus)
	7,500 mg/l (Leuciscus idus)
	5,540 mg/l (Oncorhynchus mykiss)
	8,120 mg/l (Pimephales promelas)

**115-10-6 dimethyl ether**

EC50/96h	154.9 mg/l (green alge)
----------	-------------------------

(Contd. on page 12)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 11)

EC50/48h	>4,000 mg/l (poecilia reticulata)
LC50/96h	>4,000 mg/l (daphnia magna)
LC50/96h	>4,000 mg/l (poecilia reticulata)
<b>123-86-4 n-butyl acetate</b>	
EC50/24h	72.8 mg/l (daphnia magna) (DIN 38412)
EC50/96h	320 mg/l (green alge)
LC50/24h	205 mg/l (daphnia magna)
IC50/72h	648 mg/l (Desmodesmus subspicatus)
EC10/18h	959 mg/l (pseudomonas putida)
EC50/48h	44 mg/l (daphnia magna)
EC50/16h	959 mg/l (pseudomonas putida)
NOEC	200 mg/kg (Desmodesmus subspicatus)
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest)
	674 mg/l (Scenedesmus subspicatus)
LC50/96h	62 mg/l (Danio rerio.)
	81 mg/l (piscis)
	100 mg/l (Iepomis macrochirus)
	62 mg/l (Leuciscus idus) (DIN 38412)
	18 mg/l (Pimephales promelas) (OECD 203)
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
EC50	>100 mg/l (daphnia magna)
LC50	63.5 mg/l (Oryzias latipes)
EC50/48h	408 mg/l (daphnia magna) (RL 67/548/EWG. Anhang V, C.2.)
ErC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC20/0.5h	>1,000 mg/l (BES) (OECD 209)
NOEC	47.5 mg/l (Oryzias latipes)
NOEC/21d	≥100 mg/l (daphnia magna)
EC10	>1,000 mg/l (BES)
LC50/96h	134 mg/l (Oncorhynchus mykiss)
	161 mg/l (Pimephales promelas)
<b>141-78-6 ethyl acetate</b>	
EC50/96h	220 mg/l (Pimephales promelas)
EC10/18h	2,900 mg/l (pseudomonas putida)
EC50/48h	610 mg/l (daphnia magna) (DIN 38412)
	5,600 mg/l (Desmodesmus subspicatus)
IC50/48h	3,300 mg/l (Scenedesmus subspicatus)
LC 0	29.3 mg/l (rat)
NOELR/72h	>100 mg/l (Desmodesmus subspicatus)
NOEC/21d	2.4 mg/l (daphnia magna)
EC10	2,900 mg/l (pseudomonas putida)
EC50/48h	3,300 mg/l (Scenedesmus subspicatus)
LC50/96h	230 mg/l (Oncorhynchus mykiss)
	230 mg/l (Pimephales promelas)
<b>reaction mass of ethylbenzole and xylene</b>	
LC50/24h	1 mg/l (daphnia magna)
EC50/48h	3.2-9.5 mg/l (daphnia magna)

(Contd. on page 13)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 12)

NOEC	16 mg/l (BES) 1.3 mg/l (piscis)
NOELR/72h	0.44 mg/l (green alge)
NOELR/28d	16 mg/l (bacteria)
EC50/72h	2.2 mg/l (selenastrum capricornutum)
LC50/96h	2.6 mg/l (Oncorhynchus mykiss) 8.9-16.4 mg/l (pimephales promelas)

- **12.2 Persistence and degradability**

No further relevant information available.

- **12.3 Bioaccumulative potential**

No further relevant information available.

- **12.4 Mobility in soil**

No further relevant information available.

- Additional ecological information:

- General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

- **12.5 Results of PBT and vPvB assessment**

- PBT:

Not applicable.

- vPvB:

Not applicable.

- **12.6 Other adverse effects**

No further relevant information available.

### \* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging

- Uncleaned packaging:

- Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.  
Disposal must be made according to official regulations.

### \* SECTION 14: Transport information

- **14.1 UN-Number**

- ADR, IMDG, IATA

UN1950

- **14.2 UN proper shipping name**

- ADR

1950 AEROSOLS

- IMDG, IATA

AEROSOLS

(Contd. on page 14)

GB

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name:** Paint Sprays for Plastic Parts

(Contd. of page 13)

**· 14.3 Transport hazard class(es)**· ADR

· Class 2 5F Gases.  
 · Label 2.1

· IMDG, IATA

· Class 2 Gases.  
 · Label 2.1

**· 14.4 Packing group**· ADR, IMDG, IATA Void**· 14.5 Environmental hazards:**· Marine pollutant: No**· 14.6 Special precautions for user**

· Danger code (Kemler): -  
 · EMS Number: F-D,S-U  
 · Stowage Code SW1 Protected from sources of heat.  
 SW2 Clear of living quarters.  
 SG69 For AEROSOLS with a maximum capacity of 1 litre:  
 Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
 For AEROSOLS with a capacity above 1 litre:  
 Segregation as for the appropriate subdivision of class 2.  
 For WASTE AEROSOLS:  
 Segregation as for the appropriate subdivision of class 2.

**· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· Transport/Additional information:· ADR

· Limited quantities (LQ) 1L  
 · Excepted quantities (EQ) Code: E0  
 Not permitted as Excepted Quantity

· Transport category 2· Tunnel restriction code D· IMDG

· Limited quantities (LQ) 1L  
 · Excepted quantities (EQ) Code: E0  
 Not permitted as Excepted Quantity

· UN "Model Regulation": UN 1950 AEROSOLS, 2.1

(Contd. on page 15)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

**Trade name: Paint Sprays for Plastic Parts**

(Contd. of page 15)

PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Gas 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas (Comp.): Gases under pressure – Compressed gas  
 Flam. Liq. 1: Flammable liquids – Category 1  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Flam. Sol. 1: Flammable solids – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 REACH directive 1907/2006/EC

- Sources

- \* Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC

GB