

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product description: PMcolours Flip-Flop – effect paint spray, 400 ml

Brand: PMcolours

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

Recommended use: Solvent-based effect paint.

Uses advised against: No information available.

1.3 Details of the supplier of the safety data sheet

Progressive motor invest, s.r.o

Zahumenni 686

Stara Ves nad Ondrejnicí, 739 23

Czech Republic

Telephone: +420 602 701 324

E-mail: info@pmcolours.eu

1.4 Emergency telephone number

National advisory service / poison information centre

Ireland: National Poisons Information Centre: +353 1 809 2166

European emergency number: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP classification - Regulation (EC) No. 1272/2008:

- Extremely flammable aerosol, Category 1
- Serious eye irritation, Category 2
- Specific target organ toxicity (single exposure), Category 3

2.2 Label elements

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



Signal word: Danger

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Hazardous ingredients:

Acetone, dimethyl ether, n-butyl acetate; xylene; fatty acids, C14-18 and C16-18-unsaturated, maleated; n-butyl methacrylate; methyl methacrylate and maleic anhydride.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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.

P271 Use only outdoors or in a well-ventilated area.

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 CENTRE / doctor if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice / attention.

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.

2.3 Other hazards

Excessive heat, contamination or direct sunlight may cause polymerisation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture that meets the classification criteria according to Regulation (EC) No. 1272/2008.

Hazardous ingredients:

Name	CAS No.	GHS classification	% (w/v)
Acetone	67-64-1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	36 – 73
Dimethyl ether	115-10-6	Flam. Gas 1A, H220 Press. Gas, H280	20 – 36
n-Butyl acetate	123-86-4	Flam. Liq. 3, H226 STOT SE 3, H336	10 – 13.5
2-Methoxy-1-methylethyl acetate	108-65-6	Flam. Liq. 3, H226 STOT SE 3, H336	5 – 7
Xylene	1330-20-7	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	2.7 – 3.6
Solvent naphtha (petroleum), light aromatic	64742-95-6	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	0.8 – 1.2
Ethylbenzene	100-41-4	Flam. Liq. 3, H226 Acute Tox. 4, H332	0.8 – 1.2

Name	CAS No.	GHS classification	% (w/v)
		STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	
Trimethylbenzene	25551-13-7	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	0.2 – 0.7
Butan-1-ol	71-36-3	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 STOT SE 3, H335	<0.1
Fatty acids, C14-18 and C16-18-unsaturated, maleated	85711-46-2	Skin Irrit. 2, H315 Skin Sens. 1, H317	<0.1
Butyl methacrylate	97-88-1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	<0.1
Naphtha (petroleum), hydrodesulfurised heavy	64742-82-1	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	<0.1
Maleic anhydride	108-31-6	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372	<0.1

The exact percentages (concentration) of the composition have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation:	Supply fresh air; consult a doctor if symptoms occur.
After skin contact:	In general, the product is not irritating to the skin.
After eye contact:	Rinse eyes under running water for several minutes with eyelids held open. Consult a doctor if symptoms persist.
After ingestion:	Consult a doctor if symptoms persist.
Self-protection of the first aider:	No information required.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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 media: Cool containers with water.

Unsuitable extinguishing media for safety reasons: No information available.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Special protective equipment for firefighters:

No special measures required.

5.4 Other information

No further information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Keep ignition sources away and ventilate the area well. Avoid breathing vapour or mist. Observe the protective instructions in Sections 7 and 8.

If special clothing is required for dealing with the spill, refer to Section 8 for suitable and unsuitable materials. See also the information for non-emergency personnel.

6.2 Environmental precautions

Do not allow to enter drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Contain spilled material with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth) and place in a suitable container for disposal according to local regulations (see Section 13). Preferably clean with detergent. Avoid the use of solvents.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protect from heat and direct sunlight. Provide good ventilation/extraction at the workplace.

Information on fire and explosion protection:

Do not spray onto flames or incandescent objects. Keep ignition sources away - do not smoke.

Pressurised container. Protect from sunlight and temperatures above 50 °C (e.g. incandescent lamps). Do not open forcibly or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Observe official regulations for the storage of pressurised aerosol containers.

Incompatible materials: See SECTION 10.

7.3 Specific end use(s)

See SECTION 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

It should be taken into account that simultaneous exposure to several substances may have an additive effect.

8.2 Exposure controls

Keep away from food, drink and animal feed.

Immediately remove contaminated, soaked clothing.

Wash hands before breaks and at the end of work.

Avoid contact with eyes.

Avoid contact with eyes and skin.

Personal protective equipment:

Skin protection: The glove material must be impermeable and resistant to the product / substance / preparation.

Body protection: Choose suitable footwear and additional skin protection measures based on the task to be carried out and the associated hazards, and have them approved in advance by a specialist.

Eye protection: Safety glasses.

Respiratory protection: If the solvent concentration exceeds the MAK limit values, an approved respiratory protective device must be worn for this purpose. Half mask with combination filter at least filter class A1P2 or powered air respirator.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol

Colour: depending on colour shade / effect paint with effect particles

Odour: Characteristic

Odour threshold: No data available

pH: No data available

Melting point/range: No data available

Boiling point/range: -24.9 °C

Flash point: <0 °C

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: 3,400 hPa

Vapour density: No data available

Relative density: No data available

Solubility: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: 235 °C

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition when used as intended.

10.3 Possibility of hazardous reactions

No hazardous 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 further relevant information available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: No information is available for any of the ingredients.

Skin corrosion/irritation: No information is available for any of the ingredients.

Serious eye damage/irritation: Causes serious eye irritation.

Skin sensitisation: No information is available for any of the ingredients.

Germ cell mutagenicity: No information is available for any of the ingredients.

Carcinogenicity: This product contains no known human carcinogens.

Reproductive toxicity: No information is available for any of the ingredients.

Specific target organ toxicity - single exposure:	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure:	No information is available for any of the ingredients.
Aspiration hazard:	No information is available for any of the ingredients.
Likely routes of exposure:	Inhalation, skin contact and eye contact are most likely. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information: No further relevant information available.

12.1 Toxicity

No further relevant information available.

12.2 Persistence and degradability

Abiotic degradation (physical/photochemical):

No data available for the ingredients.

Biodegradability:

No data available for the ingredients.

12.3 Bioaccumulative potential

No data available for the ingredients.

12.4 Mobility in soil

Known/predicted environmental distribution:

No data available for the ingredients.

Surface tension:

No data available for the ingredients.

Adsorption/desorption:

No data available for the ingredients.

12.5 Results of PBT and vPvB assessment

This product does not contain any components in concentrations ≥ 0.1 % that are classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

No data available for the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Generators of chemical waste must determine whether a discarded chemical is classified as hazardous waste. Generators of chemical waste must also observe federal, state and local hazardous waste regulations to ensure complete and correct classification.

Residue: Treat the disposal of waste material in the same way as the product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID/IMDG/IATA: UN 1950

14.2 UN proper shipping name

ADR/RID/IMDG/IATA: AEROSOLS

14.3 Transport hazard class(es)

ADR/RID/ADN/IMDG/IATA: 2.1

14.4 Packing group

ADR/RID/ADN/IMDG/IATA: not applicable

14.5 Environmental hazards

ADR/RID: No

ADN: No

IMDG: No

IATA: No

14.6 Special precautions for user

User warning: gases

Hazard identification number (Kemler number): - not classified

EMS number: F-D, S-U

Stowage code: SW1 Protected from sources of heat.

SW2 Clear of living quarters.

Segregation code: 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 73/78 and the IBC Code

Transport / further information ADR

Limited quantity (LQ): 1 L

Excepted quantities (EQ): Code E0 - not permitted in excepted quantities

Transport category: 2

Tunnel restriction code: D

IMDG

Limited quantity (LQ): 1 L

Excepted quantities (EQ): Code E0 - not permitted in excepted quantities

SECTION 15: REGULATORY INFORMATION

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

VOC: <840 g/l

Directive 2012/18/EU Named dangerous substances - ANNEX I: None of the ingredients is listed. Seveso category: P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for lower-tier establishments: 150 t

Qualifying quantity (tonnes) for upper-tier establishments: 500 t

REGULATION (EC) No. 1907/2006 ANNEX XVII: Restriction conditions:

Water hazard class: WGK 1 (self-classification): slightly hazardous to water

15.2 Chemical safety assessment

No chemical safety assessment has been carried out by the supplier for this substance/mixture.

SECTION 16: OTHER INFORMATION

Further information

The information contained in this safety data sheet (SDS) is correct to the best of our knowledge at the time of publication. The information in the safety data sheet is intended solely as a guide for safe handling, use, transport, processing, storage, release and disposal. The information in the safety data sheet can in no case be regarded as a guarantee or quality specification.