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

1.1 Product identifier

Product description: PMcolours Pearl – pearlescent effect paint for spray gun

Brand: PMcolours

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

Recommended use: Solvent-based basecoat / effect paint for application with a spray gun.

Uses advised against: No information available.

1.3 Details of the supplier of the safety data sheet

Progressive motor invest, s.r.o
Záhumenní 686
Stará Ves nad Ondřejnicí, 739 23
Czech Republic

Telephone: +420 602 701 324

E-mail: info@pmcolours.eu

1.4 Emergency telephone number

National advisory body / poison information centre

Ireland:
National Poisons Information Centre (NPIC), Beaumont Hospital: 01 809 2166
Public poisons information line available daily from 8:00 to 22:00. Outside these hours contact a GP, local emergency department or call 112/999 in an emergency.
Healthcare professionals: +353 1 809 2566 or +353 1 837 9964 (24 hours).

European emergency number: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP classification – Regulation (EC) No. 1272/2008
Flammable liquid, Category 3
Aspiration hazard, Category 1
Skin irritation, Category 2
Skin sensitisation, Category 1
Serious eye irritation, Category 2
Specific target organ toxicity – single exposure, Category 3
Specific target organ toxicity – repeated exposure, Category 2
Hazardous to the aquatic environment, chronic, Category 3

2.2 Label elements

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

Signal word: Danger

Hazard pictograms:

Hazard statements:
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Hazardous ingredients:
n-butyl acetate; xylene; Fatty acids, C14-18 and C16-18-unsatd., maleated; n-butyl methacrylate; methyl methacrylate and maleic anhydride

Precautionary statements:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapours/aerosol.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331 Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370 + P378 In case of fire: Use alcohol-resistant foam, dry chemical powder or carbon dioxide to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal facility.

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)
n-butyl acetate	123-86-4	Flam. Liq. 3, H226 STOT SE 3, H336	40 – 50
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	10 – 13.5
2-methoxy-1-methylethyl acetate	108-65-6	Flam. Liq. 3, H226 STOT SE 3, H336	10 – 13

Name	CAS No.	GHS classification	% (w/v)
solvent naphtha (petroleum), light aromatic	64742-95-6	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	3 – 4.1
ethylbenzene	100-41-4	Flam. Liq. 3, H226 Acute Tox. 4, H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	3 – 4.6
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	1 – 2.7
butan-1-ol	71-36-3	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 STOT SE 3, H335	1 – 2
Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	Skin Irrit. 2, H315 Skin Sens. 1, H317	0.1 – 0.2
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 – 0.2
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 – 0.2
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

If inhaled: Remove to fresh air. Keep the person warm and at rest. If breathing is absent or irregular, or if respiratory arrest occurs, trained personnel should provide artificial respiration or oxygen.

In case of skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use an approved skin cleanser. Do NOT use solvents or thinners.

In case of eye contact: Remove contact lenses, hold eyelids open for at least 10 minutes and rinse abundantly with clean, fresh water. Seek medical advice immediately.

If swallowed: If swallowed, seek medical advice immediately and show the container or label. Keep the person warm and at rest. Do NOT induce vomiting.

Self-protection of the first aider: No special information required.

4.2 Most important symptoms and effects, both acute and delayed

No data are available for the mixture itself. The mixture has been assessed according to the conventional method of Regulation (EC) No. 1272/2008 (CLP Regulation) and is classified accordingly as a mixture with toxicological properties. See Sections 2 and 3 for details.

Exposure to solvent vapours above the occupational exposure limit may cause adverse health effects, such as irritation of mucous membranes and the respiratory system and adverse effects on the liver, kidneys and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and, in severe cases, loss of consciousness.

Solvents may cause some of the above effects through absorption through the skin. Repeated or prolonged contact with the mixture may remove natural fat from the skin and cause non-allergic contact dermatitis as well as absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects as well as chronic effects of the components from short-term and long-term exposure by oral, inhalation and dermal routes and eye contact.

Contains Fatty acids, C14-18 and C16-18-unsatd., maleated, n-butyl methacrylate, methyl methacrylate and maleic anhydride. May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In case of ingestion or inhalation of large quantities, contact a poison centre specialist immediately.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Recommended: alcohol-resistant foam, CO_2, powder, water spray.

Extinguishing media unsuitable for safety reasons: No information available.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause adverse health effects.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Cool closed containers exposed to fire with water. Do not allow firefighting water to enter drains or waterways.

5.4 Other information

No further information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

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

6.2 Environmental precautions

Do not allow to enter drains or watercourses. If rivers, lakes or sewage systems are contaminated, inform the relevant authorities in accordance with local laws.

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

Prevent the formation of flammable and explosive solvent vapours in the air and avoid exceeding occupational exposure limits. Use the product only in places where there is no open flame or other sources of ignition. Protect electrical equipment in accordance with the relevant standards. The mixture may become electrostatically charged: always use grounding when transferring from one container to another.

Workers should wear antistatic footwear and clothing, and floors should be conductive. Keep away from heat, sparks and flames. Do not use tools that generate sparks. Avoid contact with eyes and skin. Avoid inhalation of dust, particles, spray or mist generated by the use of this mixture.

Do not breathe sanding dust. Eating, drinking and smoking must be prohibited in areas where this substance is used, stored or processed. Put on suitable protective equipment (see Section 8). Never empty by applying pressure. The container is not a pressure vessel.

Always store in containers made of the same material as the original container. Comply with statutory protection and safety regulations. Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool and well-ventilated place. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use caution when handling empty containers that have not been cleaned or rinsed**.**

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

Ensure adequate ventilation. Where reasonably practicable, this should be achieved by local exhaust ventilation and good general ventilation. If this is not sufficient to keep particle and solvent vapour concentrations below occupational exposure limits, suitable respiratory protection must be worn.

Personal protective equipment:

Skin protection: There is no single glove material or combination of materials that can provide unlimited resistance to individual chemicals or combinations of chemicals. The breakthrough time must be longer than the duration of product use. The instructions and information provided by the glove manufacturer regarding use, storage, maintenance and replacement must be followed.

Gloves must be replaced regularly and whenever there is any sign of damage to the glove material. Always ensure that gloves are free from defects and are correctly stored and used. The performance or effectiveness of gloves may be reduced by physical and chemical damage and poor maintenance. Use a suitable skin protection cream for all uncovered parts of the body; do not use after exposure has occurred.

Body protection: Select suitable footwear and additional skin protection measures based on the task being performed and the associated hazards, and have them approved by a specialist beforehand.

Eye protection: Wear tight-fitting safety goggles in accordance with EN 166.

Respiratory protection: Based on the hazard and the risk of exposure, select a respirator that meets the relevant standards and has the appropriate certifications. Respirators must be used in accordance with a respiratory protection programme to ensure proper fit, adequate training and other important aspects of use. Recommended: EN 405:2001 + A1:2009 filter against organic vapours (type A) and particles FFA2P3 R D.

Other measures: No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	depending on shade / effect paint with effect particles
Odour:	Fruity
Odour threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/range:	>100 °C
Flash point:	closed cup: 25 °C
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	1.3 kPa (10 mm Hg)
Vapour density:	No data available
Relative density:	0.942
Solubility:	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	415 °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 specific data relating to reactivity are available for this product or its ingredients.

10.2 Chemical stability
Stable under the recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions
No hazardous reactions occur under normal conditions of storage and use.

10.4 Conditions to avoid
Exposure to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials
Keep away from the following materials to avoid strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products
Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity: No data are available for any of the ingredients.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: No data are available for any of the ingredients.

Carcinogenicity: This product contains no known human carcinogens.

Reproductive toxicity: No data are available for any of the ingredients.

Specific target organ toxicity – single exposure: May cause drowsiness or dizziness. May cause respiratory irritation.

Specific target organ toxicity – repeated exposure: May cause damage to organs through prolonged or repeated exposure.

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

Likely routes of exposure: Inhalation, skin contact and eye contact are the most likely. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information: **No data available for the individual ingredients.**

12.1 Toxicity
No data are available for the mixture itself.

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 components at 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 comply with national, regional and local hazardous waste regulations to ensure complete and correct classification.

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

SECTION 14: TRANSPORT INFORMATION

14.1 UN number
ADR/RID/IMDG/IATA: UN 1263

14.2 UN proper shipping name
ADR/RID/IMDG/IATA: PAINT RELATED MATERIAL

14.3 Transport hazard class(es)
ADR/RID/ADN/IMDG/IATA: 3

14.4 Packing group
ADR/RID/ADN/IMDG/IATA: III

14.5 Environmental hazards
ADR/RID: No
ADN: Yes
IMDG: No
IATA: No

Additional information
ADR/RID: Hazard identification number 30; limited quantity 5 L; special provisions 163, 640E, 650, 367; tunnel code (D/E).

ADN: The product is regulated as an environmentally hazardous substance only when transported in tank vessels. Special provisions 163, 367, 640E, 650.

IMDG: Emergency schedules F-E, S-E; special provisions 163, 223, 367, 955.

IATA: Quantity limitation passenger and cargo aircraft: 60 L. Packing instruction: 355. Cargo aircraft only: 220 L. Packing instruction: 366. Limited quantities – passenger aircraft: 10 L.

Packing instruction: Y344. Special provisions A3, A72, A192.

14.6 Special precautions for user

No information available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, as the product is not shipped in bulk.

SECTION 15: REGULATORY INFORMATION

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

No restrictions specific to this mixture are known according to Annex XVII of Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical safety assessment

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

SECTION 16: OTHER INFORMATION

Other information

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