SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

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

1.1. Product identifier

Product Name Basler Bascolin Rapid 2C CSP MP12 MMA Lining System

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

Identified Uses Paints and varnishes
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Meon Ltd.
Railside
Northarbour Spur
Portsmouth
PO6 3TU
+44 (0) 23 9220 0606
mail@meonuk.com

1.4. Emergency Telephone Number

Emergency telephone +44 (0) 808 118 1922

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is classified as hazardous.
H225 - Flammable liquids - Hazard category 2
H315 - Skin corrosion/irritation- Hazard category 2
H317 - Respiratory or skin sensitisation - Hazard category 1
H335 - STOT SE - Hazard category 3

2.2. Label Elements

Signal word Danger

Hazard pictograms

Hazard statement(s)

H225 - Highly flammable liquid and vapor.
H315 - Cause skin irritation.
H317 - May cause an allergic skin reaction.
H335 - May cause respiratory irritation.

Precautionary statement(s)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 – Wear protective gloves and eye/face protection.

P370 + P378 – In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 - Store in a well-ventilated place. Keep cool.

contains Methyl methacrylate
n-butyl acrylate

Supplemental hazard information (EU)
EUH211 Warning Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredient(s)

EC No. CAS No. Index No. REACH No.	Chemical Name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight (%)
201-297-1 80-62-6 607-035-00-6 01-2119452498-28-XXXX	Methyl methacrylate	Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE. 3 - H335	12.5 - 20
205-480-7 141-32-2 607-062-00-3 01-2119453155-43-XXXX	n-butyl acrylate	Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE. 3 - H335	5 - 10
254-075-1 38668-48-3 01-2119980937-17-XXXX	1,1-(p-Tolylimino)dipropane-2-ole	Acute Tox. 3 H301 Aquatic Chronic 3 H412	<0.5
202-805-4 99-97-8 612-056-00-9 01-2119956633-31-XXXX	N,N-dimethyl-p-toluidine	Acute Tox. 3 H331 Acute Tox. 3 H311 Acute Tox. 3 H301 STOT RE 2 H373 Aquatic Chronic 3 H412	<0.5

Full text of classification: see Section 16.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

4.1. Description of first aid measures

General notes In all cases of doubt, or when symptoms persist, seek medical attention.
In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation Remove casualty to fresh air and keep warm and at rest.
In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact Remove contaminated, saturated clothing immediately.
After contact with skin, wash immediately with plenty water and soap.
Do not use solvents or thinners.

After eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Seek medical advice immediately.
Keep victim calm.
Do NOT induce vomiting.

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

General notes

In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, CO_2, powder and water spray/mist.

Extinguishing media which must not be used for safety reasons

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of fire. Do not allow water used to extinguish fire to enter drains, ground, or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers, or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see Section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see Sections 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions on safe handling

Advice on safe handling	Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink, or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.
Precautions against fire and explosion	Vapours are heavier than air. Vapours from explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels	Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".
Hints on joint storage	Keep away from strongly acidic and alkaline materials as well as oxidizers.
Further information on storage conditions	Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 10°C and 25°. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorized persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

methyl methacrylate

INDEX No. 607-035-00-6 / EC No. 201-297-1 / CAS No. 80-62-6

WEL, TWA: 208 mg/m^3; 50 ppm

WEL, STEL: 416 mg/m^3; 100 ppm

n-butyl acrylate

INDEX No. 607-062-00-3 / EC No. 205-480-7 / CAS No. 141-32-2

WEL, TWA: 5 mg/m^3; 1 ppm

WEL, STEL: 26 mg/m^3; 5 ppm

Additional information

TWA: long-term occupational exposure limit value

STEL: short-term occupational exposure limit value

Ceiling: peak limitation

8.2. Exposure controls

	Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.
Respiratory protection	If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four-digit test number.
Hand protection	For prolonged or repeated handling, the following glove material must be used: CR (polychloroprene, chloroprene rubber) Thickness of the glove material > 0.4 mm; Breakthrough time (maximum wearing time) > 480 min. Observe the instructions and details for use, storage, maintenance, and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.
Eye protection	Wear closely fitting protective glasses in case of splashes.
Protective clothing	Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.
Protective measures	After contact, clean skin thoroughly with water and soap or use appropriate cleanser.
Environmental exposure controls	Do not allow to enter into surface water or drains. See Section 7. No additional measures necessary.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid		
Physical state			
Colour	refer to label		
Odour:	characteristic		
Odour threshold:	Not applicable		
pH at 20 °C	Not applicable		
Melting point/freezing point:	-65 °C		
		Unit	**Method**
Flash point	10	°C	DIN 53213
Evaporation rate	Not applicable		
Flammability			
Burning time	Not applicable		
Upper/lower flammability or explosive limits:			
Lower explosion limit	0.8 Vol %		
Upper explosion limit	Not applicable		
Vapour pressure at 20 °C	Not applicable		
Vapour density	Not applicable		
Density at 20 °C	1.64 g/cm^3		

Relative density			
Density at 20 °C			
Water solubility (g/L)	Insoluble		
Partition coefficient: n-octanol/water	See section 12.		
Auto-ignition temperature	Not applicable		
Decomposition temperature	Not applicable		
	Not applicable		
Viscosity at 23 °C	85 s 6 mm		Method: EN ISO 2431
Explosives properties	Not applicable		
Oxidising properties	Not applicable		
	100	Wt. %	

9.2. Other information

Solid content (%)		
Solvent content		
Organic solvents	0	Wt. %
Water	0	Wt. %

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to Section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

Materials to avoid Not applicable.

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No. 1272/2008 [CLP]
No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	Based on available data, the classification criteria are not met.
Specific target organ toxicity	
Aspiration hazard	May cause respiratory irritation.
Aspiration hazard	Based on available data, the classification criteria are not met.

Practical experience/human evidence	
Overall Assessment on CMR properties	The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP. Classification according to Regulation (EC) No 1272/2008 [CLP] There is no information available on the preparation itself. Do not allow to enter into surface water or drains.

SECTION 12: Ecological information

Classification according to Regulation (EC) No. 1272/2008 [CLP]
There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product recommendation	Residues of cured MMA based products in empty containers do not need to be treated as hazardous waste. Clean empty containers should be disposed of in accordance with Local Authority guidelines. Cured product can be disposed of as industrial waste. Unused resin and powder catalyst must be treated as hazardous waste.
List of proposed waste codes/waste designations in accordance with EWC	080111* Waste paint and varnish containing organic solvents or other dangerous substances *Hazardous waste according to Directive 2008/98/EC (waste framework directive).
Appropriate disposal / Package Recommendation	Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

14.1. UN number

1263

14.2. UN proper shipping name

Land transport (ADR/RID)	PAINT
Sea transport (IMDG)	PAINT
Air transport (ICAO-TI/IATA-DGR)	PAINT

14.3. Transport hazard class(es)

Transport class	3

14.4. Packing group

Land transport (ADR/RID)	III
for packages > 450 litres	II
Sea transport (IMDG)	III
Air transport (ICAO-TI/IATA-DGR)	III
for packages > 30 liters	II

14.5. Environmental hazards

Land transport (ADR/RID)	N/A
Marine pollutant	N/A

14.6. Special precautions for user

	Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advice on safe handling	See Sections 6 - 8.
ADR Tunnel Restriction Code	E
for packages > 450 litres	D/E
IMDG EmS No.	F-E, S-E

14.7. Transport in bulk according to Annex II of MARPOL3/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 0

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juveniles according to the Juvenile Work Protection Guideline (94/33/EC).

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
201-297-1 80-62-6	Methyl methacrylate	01-2119452498-28-XXXX
205-480-7 141-32-2	n-butyl acrylate	01-2119453155-43-XXXX
202-805-4 99-97-8	N, N-dimethyl-p-toluidine	01-2119956633-31-XXXX

SECTION 16: Other information

Full text of classification in section 3

Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment.	Harmful to aquatic life with long lasting effects.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Acute Tox. 3 / H311.	Acute toxicity (dermal)	Toxic in contact with skin.
STOT RE 2 / H373	STOT-repeated exposure	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2	Flammable liquids	On basis of test data.
Skin Irrit. 2	Skin corrosion/irritation	Calculation method.
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.
STOT SE 3	STOT-single exposure	Calculation method.
Flam. Liq. 2	Flammable liquids	On basis of test data.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC	Code International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG	Code International Maritime Code for Dangerous Goods

ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bio accumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bio accumulative