

MSDS TAMIYA MINI ACRYLIC PAINT *GHS*

Material Safety Data Sheet according to Regulation (EC) no. 1907/2006 (REACH)
Issued: 01/09/2020 Version 3.0

1. Identification of substance, PREPARATION AND OF THE COMPANY

Trade name: Tamiya Mini Acrylic Paint

81501-81535 X Colours Tamiya Mini Acrylic 10ml

81701-81793 XF Colours Tamiya Mini Acrylic 10ml

Manufacturer / Supplier: Tamiya Europe Werkstr. 1, D-90765 Fürth

The Hobby Company Ltd, Garforth Place, Knowlhill, Milton Keynes. MK5 8PG

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In an emergency, members of the public should always contact their general practitioners, NHS non urgent Help lines - [NHS 24 \(Scotland\)](#) or [NHS 111 \(England and Wales\)](#) or local A&E department. If the patient has collapsed or is not breathing properly, call 999.

Suggested container (s) use (s):

Technical Application

SECTION 2 Hazards

2.1 Classification of the substance or mixture according to Regulation (EC) no. 1272/2008

Flammable liquids, Hazard Category 2

Serious eye damage / eye irritation, Hazard Category 2

Specific target organ toxicity (single exposure), hazard category 3, narcotic effects

2.2 Label elements according to Regulation (EC) no. 1272/2008



Signal Word Danger

Hazard statements

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

Safety Information

P102 Keep out of the reach of children.

P210 from heat, hot surfaces, sparks, open flames and other

Keep ignition sources. Do not smoke.

P280 Wear eye protection / face protection.

P304 + P340 IF INHALED: Remove the person to fresh air and for unobstructed breathing worry.

P305 + P351 + P338 IF IN EYES: Rinse cautiously for several minutes with water.

Remove any contact lenses if possible. Continue rinsing.

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

Hazardous component (s) for labeling

Not mandatory.

2.3 Other hazards

Not known.

SECTION 3 Composition / information on ingredients

3.1 Substances

This product is a mixture.

3.2 Mixtures

Binders, pigments and solvents.

Hazardous ingredients

1-methoxypropan-2-ol

EC-No. 203-539-1 CAS-No. 107-98-2

Share 17.0%

Classification according to Regulation (EC) No. 1272/2008 Flam. Liq. 3; H226 - STOT SE 3; H336

For this substance, there is a Community workplace limit (see Section 8).

Propan-2-ol

EC-No. 200-661-7 CAS No. 67-63-0

Share 15.4%

Classification according to Regulation (EC) No. 1272/2008 Flam. Liq. 2; H225 - Eye Irrit. 2; H319 - STOT SE 3; H336

Ethanol

EC-No. 200-578-6 CAS No. 64-17-5

Share 3.4%

Classification according to Regulation (EC) No. 1272/2008 Flam. Liq. 2; H225

3-methoxy-3-methyl butan-1-ol

EC-No. 260-252-4 CAS-No. 56539-66-3

Share 3.0%

Classification according to Regulation (EC) No. 1272/2008 Eye Irrit. 2; H319

The text of Hazard Statements are Displayed in heading 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General advice Consult a physician. The doctor this Material Safety Data Sheet.

After inhalation Move person into fresh air, consult doctor if feeling unwell.

After contact with skin change contaminated clothing, affected skin with soap and water
Wash, consult doctor if feeling unwell.

Rinse thoroughly after contact with eyes opened eye under running water, immediately
Consult an eye specialist.

Ingestion Rinse mouth and drink water with the addition of activated charcoal,
vomiting leave, call a physician.

4.2 Most important acute and delayed symptoms and effects,
No data available.

4.3 Indication of immediate medical attention and special treatment
No data available.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, dry chemical, CO₂, alcohol-resistant foam.

Unsuitable extinguishing media

Water with full jet.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition to carbon monoxide and organic cracked products.

5.3 Advice for firefighters

Tightly closing fireproof clothing and self-contained breathing apparatus. Vapors and fumes
Do not breathe.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency

Method

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not flush into sewers or waterways. In case product reaches water or sewage system

Inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Ensure adequate ventilation. Do not flush with water or aqueous cleaning agents. With inert

Record binders and dispose of according to local regulations, not otherwise usable.

6.4 Reference to other sections

Information on safe handling See Section. 7

Information regarding personal protective equipment see Chapter. 8

Information regarding waste disposal, see section. 13

SECTION 7 Handling and Storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight. Ensure good ventilation / exhaustion at the
workplace.

Open container with care and handle.

Information about fire and explosion protection

Do not spray on naked flame or any incandescent material. Keep ignition sources away - Do
not smoke.

Take measures to prevent electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Store in a cool, dry place. Keep away from heat and direct sunlight.

Endangered containers with water spray to cool.

7.3 Specific end use

No data available.

SECTION 8 Exposure Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure to exposure limits (2000/39 / EC)

1-methoxypropan-2-ol

EC-No. 203-539-1 CAS-No. 107-98-2

Limit (8 h) 375 mg / m³ (100 ppm)

Limit (15 min) 568 mg / m³ (150 ppm)

Note risk of absorption through the skin.

Ingredients with occupational exposure to exposure limits (TRGS 900 Germany)

1-methoxypropan-2-ol

EC-No. 203-539-1 CAS-No. 107-98-2

AGW 100 ml / m³ (ppm) - 370 mg / m³

Limit

Excess factor 2 (I)

Remarks DFG, EU, Y

Propan-2-ol

EC-No. 200-661-7 CAS No. 67-63-0

AGW 20 ml / m³ (ppm) - 83 mg / m³

Limit

Excess factor 2 (I)

Remarks DFG, EU, H, Y

Ethanol

EC-No. 200-578-6 CAS No. 64-17-5

AGW 500 ml / m³ (ppm) - 960 mg / m³

Limit

Excess factor 2 (II)

Remarks DFG, Y

Ingredients with occupational exposure to exposure limits (TRGS 903 Germany)

1-methoxypropan-2-ol

EC-No. 203-539-1 CAS-No. 107-98-2

BGW 15 mg / l

Parameter 1-methoxypropan-2-ol

Urine specimen

Sampling time end of exposure or end of shift.

Propan-2-ol

EC-No. 200-661-7 CAS No. 67-63-0

BGW 25 mg / l

Parameter acetone

Specimen Thoroughbred

Sampling time end of exposure or end of shift.

Urine specimen

Sampling time end of exposure or end of shift.

8.2 Limitation and monitoring of exposure

Appropriate engineering controls

When using do not eat, drink or smoke, preventive skin care. Before breaks and at the end Wash your hands. Not inhale gases / fumes / aerosols. Avoid skin and eye contact.

Personal Protective Equipment

Respiratory protection If the occupational exposure limit in closed rooms is a to use self-contained breathing apparatus.

Eye protection Tightly fitting safety glasses with side shields use.

Hand protection Use protective gloves according to EN-374-2 made of butyl rubber. Since the product

Represents a mixture of several substances, the resistance of glove materials can not be calculated in advance and has therefore to be tested before use. The exact Breakthrough time is requested from the protective glove manufacturer and must be observed.

Skin protection Antistatic safety shoes and flame retardant protective clothing.

SECTION 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state liquid Colour different Odour of alcohol

Melting Point / range Not available.

Initial Boiling Point / Range 80 ° C

Flash point 20 ° C

pH (T = 20 ° C) Not applicable.

Flammability Highly flammable.

Ignition temperature Not available.

Self-Not applicable.

Oxidizing properties Not applicable.

Explosive For vapor-air mixtures.

Explosion limits lower Not available.

upper Not available.

Density (at T = 20 ° C) Not available.

Solubility in H₂O (at T = 20 ° C) solvents are partially soluble.

Vapour pressure Not available (= 20 ° C T).

Vapor Density (Air = 1) Not available.

Partition coefficient (n-octanol / water) Not available.

Viscosity (at T = 20 ° C) Not available.

Solvent separation test Not applicable.

Solvent content 38.8%

Evaporation rate Not available.

9.2 Other information

No data available.

SECTION 10 Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Concentrated mineral acids and strong oxidizing agents.

10.6 Hazardous decomposition products

Only in case of fire, see section 5.2.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Mixtures

Acute toxicity

1-methoxypropan-2-ol

LD50 oral (Mouse) 11,700 mg / kg

LD50 dermal (rabbit) 13,000 mg / kg

LC50 inhalation (rat) 10,000 ppm / 5 h

for propan-2-ol

LD50 oral (rat) 5,045 mg / kg

LD50 dermal (rabbit) 12800 mg / kg

LC50 inhalation (rat) 16,000 ppm / 8 h

Irritation

Causes serious eye irritation.

Corrosivity

No data available.

Sensitization

No data available.

Repeated dose toxicity

No data available.

Carcinogenicity

No data available.

Mutagenicity

No data available.

Reproductive toxicity

No data available.

Other Information

No data available.

SECTION 12 Ecological information

12.1 Toxicity

for propan-2-ol

Toxicity to fish (*Pimephales promelas*) LC50 9.640 mg / l / 96 h

Daphnia (*Daphnia magna*) EC50 5,102 mg / l / 24 h

Algae toxicity (*Desmodesmus subspicatus*) EC50 2,000 mg / l / 72 h

Bacteria toxicity (*Pseudomonas putida*) EC50 5,175 mg / l / 18 h

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

According to the information available the criteria for classification as PBT or vPvB are not met.

12.6 Other adverse effects

Spilling product harms waters by oxygen and general pollution.

SECTION 13 Disposal

13.1 Waste treatment methods

Hazardous waste according to European Waste Catalogue (2008/98 / EC). If recycling is not possible,

must be disposed of in accordance with local waste regulations. Not on the

Dispose of waste.

Waste key

20 01 27 paint, inks, adhesives and resins containing dangerous substances.

15 01 10 packaging containing residues of hazardous substances or dangerous substances contaminated.

SECTION 14 Transport information

14.1 UN number

1263

14.2 UN proper shipping name

ADR / RID

1263 PAINT

Tunnel restriction code (street)

(D / E)

IMDG / IATA

PAINT (20 ° C C. C.)

14.3 Transport hazard class (es)

3 (flammable liquids)

14.4 Packing group

II (substances presenting medium danger)

14.5 Environmental hazards

Plate environmentally hazardous substances

ADR / RID / IMDG / IATA Not applicable.

Marine Pollutant (Marine Pollutant) Not applicable.

14.6 Special precautions for user

See parts 6 - 8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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 regulations

Denomination in Annex I of Directive 2012/18 / EU on the control of major accident hazards with

hazardous substances

Note quantities for substance group P5c.

Directive concerning the placing of biocidal products 1998/8 / EC

Not applicable.

Regulation (EC) no. 648/2004 (Detergents regulation)

Not applicable.

Directive 1999/13 / EC on the limitation of emissions of volatile organic compounds (VOC)
Applicable.

Directive 92/85 / EEC on the introduction of measures to encourage improvements in the safety and

Health of pregnant workers, have recently given birth and breastfeeding
at work

Applicable.

Directive 98/24 / EC on the protection of the health and safety of workers from the risks
related to

chemical agents at work

Applicable.

Directive 94/33 / EC on the protection of young workers

Applicable.

German regulations

Technical instruction on air quality limit values for organic substances according to 5.2.5 and for paint particles after

5.4.5.1 note.

Water Hazard Class 1 (slight water hazard)

Storage class according to TRGS 510 3 (flammable liquids)

Other regulations, limitations and prohibitive regulations

Leaflets M 004 and M 017 note BG Chemie.

15.2 Chemical Safety Assessment

The mixture was subjected to safety assessment.

SECTION 16 Other information

Text of risk phrases in Section 3

Flam. Liq. 2; H225 Flammable liquids, Hazard Category 2; Liquid and vapor slightly flammable.

Flam. Liq. 3; H226 Flammable liquids, Hazard Category 3; Flammable liquid and vapor. Eye Irrit. 2; H319 Serious eye damage / eye irritation, Hazard Category 2; Causes severe Eye irritation.

STOT SE 3; H336 Specific target organ toxicity (single exposure), Hazard Category 3, narcotic effects; May cause drowsiness and dizziness.

The H-phrases apply only to the pure ingredients and do not necessarily represent the classification of the mixture.

The classification and labeling of the product is indicated in Section 2.

Notices

This safety data sheet is based on the current EU regulations created. There is the current state of knowledge again and is no covenant not to sue Quality characteristics of the product. Such information may not be changed or to other products

be transmitted. Duplication in an unchanged state is permitted.

Abbreviations

AGW workplace limit.

BG Chemie trade association of the chemical industry.

BGW Biological tolerance in the workplace.

DFG, German Research Foundation.

EU European Union.

H Risk of skin absorption.

Storage class LGK.

PBT Persistent, bioaccumulative and toxic.

vPvB Very persistent and very bioaccumulative.

TRGS Technical regulations for hazardous substances.

WGK water hazard class.

Y substances for which a risk of teratogenic effects in compliance with the AGW and BGW need not be feared.