



Safety Data Sheet

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

1.1. Product identifier

Trade name Tamiya Lacquer Retarder
Contains 3-Methoxy-3-methylbutylacetate
Product Code 87198
U.F.I.

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

Drying retardant for hobby/craft lacquer paints

1.3. Details of the supplier of the safety data sheet

Name: The Hobby Company Ltd (*HobbyCo Ltd*)

Address: Garforth Place
Knowlhill
Milton Keynes
MK5 8PG

Telephone: +44 (0)1908 605 686

Email: service@hobbyco.net

1.4. Emergency telephone

For Great Britain:

111 for non-emergencies
999 for life-threatening emergencies

For Northern Ireland:

Telephone your GP for non-emergencies (during working hours)
Outside working hours, use the number for your area in the table below:

Area/town	Telephone
North and West Belfast	028 9074 4447
South and East Belfast	028 9079 6220
Ards and North Down	028 9182 2344
Lisburn and Downpatrick	028 9260 2204
Antrim Ballymena Ballymoney Cookstown Carrickfergus Coleraine Larne Magherafelt Moyle Newtownabbey council areas	028 2566 3500
Armagh and Dungannon	028 3839 9201

Area/town	Telephone
Craigavon and Banbridge Newry and Mourne	
Enniskillen Omagh Strabane Derry/Londonderry Limavady	028 7186 5195

999 for life-threatening emergencies

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Toxicity (Dermal) Category 4, H312
Eye Irritant Category 2, H319

2.2. Label elements

Pictograms:



Signal Word: Warning

Hazard Statements:

Harmful in contact with skin. Causes serious eye irritation

Precautionary Statements:

Keep out of reach of children. Wear protective gloves. IF ON SKIN: Wash with plenty of water and soap. Call a POISON CENTRE/doctor if you feel unwell. Dispose of contents/container to local paint disposal facilities

Label information where small pack derogation applies (<125ml):

Pictograms:



Signal Word: Warning

Hazard Statements:

Harmful in contact with skin.



Precautionary Statements:

Keep out of reach of children. Read label before use.

2.3. Other hazards

Does not contain substances known to be endocrine disrupting to humans or the environment

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance name	Identification numbers (CAS, EC, Index)	% w/w or % v/v	REACH reg. no	CLP Classification	M-factors, SCLs, ATEs	Notes
Butanol, 3-methoxy-3-methyl	56539-66-3	55%-65.00%		Eye Irrit. 2; H319		
3-Methoxy-3-methylbutyl acetate	103429-90-9	35%-45%		Acute Tox. 4 (H312)		

For the full text of H-Statements referred to under Sections 2 and 3 of the SDS, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If in contact with skin, wash immediately with soap and water. Take off contaminated clothing and wash before reuse. If symptoms occur, seek medical attention.
In case of contact with eyes, immediately flush with water for at least 20 minutes. Remove contact lenses (if present) and continue rinsing. Get medical attention.
If swallowed DO NOT INDUCE VOMITING. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

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

Contact with skin and eyes will cause redness, rash, itching and discomfort.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use water fog, dry chemical or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

Vapours are heavier than air and may spread near ground. In the event of fire, pressure may build rapidly in closed containers. Containers should be kept cool with water spray in the event of fire.

In combustion, toxic gases and vapours will form including carbon monoxide and carbon dioxide.



5.3. Advice for firefighters

In the event of fire, wear appropriate protective equipment and self-contained breathing apparatus (SCBA). Firefighter clothing must conform to a minimum standard of EN469 including helmets, protective boots and gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not touch or walk through spilled material. Keep unnecessary persons away from the spillage. Avoid inhalation of vapour. Use appropriate personal protective equipment to prevent direct contact with the material.

Emergency personnel should take into account the volume of the spillage and the likelihood of direct contact when selecting appropriate personal protective equipment. Do not breath mists or sprays.

6.2. Environmental precautions

Keep spills away from drains, surface water, groundwater, wells and boreholes or other infrastructure which may allow spills into groundwater.

6.3. Methods and material for containment and cleaning up

Stop leak if safe to do so. Absorb spillage with inert dry material such as sand, earth or vermiculite and place in an appropriate non-flammable waste disposal container, avoiding the creation of dusts or respirable particulates. Dispose of via a licensed disposal contractor. Do not place into domestic waste. Do not flush into drains or watercourses.

6.4. Reference to other sections

See section 8 for information on personal protective equipment
See section 13 for additional waste disposal information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. Do not eat drink or smoke whilst handling product.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original container. Store upright to prevent spills or leakage.

Store out of direct sunlight. Do not freeze.

7.3. Specific end use(s)

Hobby/Craft lacquer paint retarder in liquid form.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No workplace exposure limits are applicable for this product



8.2. Exposure controls

Use in a well ventilated area.

Long sleeved clothing should be worn and should be washed before reuse. Glove use may be advisable. Recommended glove material – Nitrile rubber, thickness 3mm. Instructions and information provided by the manufacturer on storage, maintenance and replacement must be followed to ensure protection and effectiveness.

This glove type may not be appropriate for all conditions and environments. It is recommended to obtain independent professional advice and complete a risk assessment specific to your application and working environment. The user must check that the final glove choice is suitable.

If there is a risk of splash or spraying of liquid then use adequate eye protection such as safety glasses with side shields.

Always handle in accordance with good safety practice and hygiene. Do not eat, drink or smoke whilst handling product. Wash hands thoroughly after use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour and odour threshold: Odor of solvents

Melting point/ freezing point: Not determined

Initial boiling point and boiling range: 174 - 188 °C

Flammability (if solid or gas): Hardly flammable

Lower and upper flammability or explosive limits: 0.4 – 13.1 Vol. - % explosion risk applies to mixtures of air and vapor.

Flash point: 67 °C

Auto-ignition temperature: 395 °C

Decomposition temperature: Not determined

pH: Not determined

Kinematic viscosity: Not determined

Solubility: slightly soluble

Partition coefficient: n-octanol/water: Not determined

Vapour pressure: 1.24 hPa @ 20 °C

Density: 0.94 g/ml @ 20 °C

Relative vapour density: Not determined



Particle characteristics: Not applicable

9.2. Other information

No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity

No relevant information

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reactions are known when used as intended.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Concentrated mineral acids and strong oxidizing agents.

10.6. Hazardous decomposition products

There are no known hazardous decomposition products in normal use

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation EC No 1272/2008

Acute toxicity

On this basis of calculation method, this product is classified as harmful in contact with skin.

Irritation/ Corrosion

On this basis of calculation method, this product is classified as irritating to the eyes. Based on the available data, the classification criteria have not been met for skin irritation.

Product/ ingredient name	Target and result	Species	Score	Exposure	Observation
3-methoxy-3-methylbutan-1-ol	EPA OPP 81-4	Rabbit		60 seconds	Eye Irritation (Reversible)

Sensitisation

Based on the available data, the classification criteria have not been met



Mutagenicity

Based on the available data, the classification criteria have not been met

Carcinogenicity

Based on the available data, the classification criteria have not been met

Reproductive toxicity

Based on the available data, the classification criteria have not been met

Specific target organ toxicity (single exposure)

Based on the available data, the classification criteria have not been met

Specific target organ toxicity (repeated exposure)

Based on the available data, the classification criteria have not been met

Aspiration hazard

Based on the available data, the classification criteria have not been met

11.2. Information on other hazards

This product does not contain constituents known to cause endocrine disruption to human health

SECTION 12: Ecological information

12.1. Toxicity

Based on the available data the classification criteria have not been met

12.2. Persistence and degradability

This product has not been tested for its persistence and degradability

12.3. Bioaccumulative potential

This product has not been tested for its bioaccumulative potential

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

This product does not contain substances known to be Persistent, Bioaccumulative and Toxic, or Very Persistent and Very Bioaccumulative.

12.6. Endocrine disrupting properties

This product does not contain substances known to cause endocrine disruption to the environment

12.7. Other adverse effects

No other information known on other adverse effects



SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste generation should be avoided or minimised where possible. Surplus, unused products should be sold or returned to the manufacturer, if possible, for beneficial use or recycling. Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge.

Where wastes have to be disposed of, use a licenced waste contractor, and obey all national and local rules for hazardous wastes. Used paint product containers should be disposed of at household waste recycling centres whether empty or part filled. Some centres will accept liquid usable paint retardant for recycling schemes. Please check local requirements before disposal. Do not place in household waste. Paint product containers (even when empty) cannot be disposed of as household waste.

Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)	Not applicable	Not applicable	Not applicable
14.4. Packing group	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	Not applicable	Not applicable	Not applicable

Additional information

ADR/RID: Not applicable

IMDG: Not applicable

IATA: Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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



This SDS has been compiled according to REACH regulation EC 2020/878, and CLP Regulation 1272/2008, as amended.

15.2. Chemical safety assessment

A chemical safety assessment is not required for this mixture

SECTION 16: Other information

Key:

ADR/RID – European Agreement concerning the International Carriage of Dangerous Goods by Road/Rail
IATA – International Air Transport Association
IMDG – International Maritime Dangerous Goods
PBT – Persistent, Bioaccumulative and Toxic Substance
vPvB – Very Persistent and Very Bioaccumulative
EPA – Environmental Protection Agency
OECD – Organisation for Economic Co-Operation and Development
LTEL – Long-term Exposure Limit
STEL – Short-term Exposure Limit
WEL – Workplace Exposure Limit
LC50 – Lethal Concentration to 50% of a test population
LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose)
EC50 – 50% of maximal Effective Concentration

Literature References and Sources for Data: European Chemicals Agency, Health and Safety Executive, Information provided from supply chain.

Full text of H-Statements referred to under Sections 2 and 3 of the SDS:

<i>Flammable Liquid Category 3, H226</i>	<i>Flammable liquid and vapour.</i>
<i>Acute Toxicity (Dermal) Category 4, H312</i>	<i>Harmful in contact with skin.</i>
<i>Eye Irritant Category 2, H319</i>	<i>Causes serious eye irritation.</i>

ANNEX