



## Safety Data Sheet

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

#### 1.1. Product identifier

Trade name Tamiya Lacquer Paint Thinner - Retarder  
Contains Propanol, 3-methoxy-3-methyl-1-butanol  
Product Code 87194  
U.F.I.

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

Lacquer paint thinner with drying delay for model and hobby crafts

#### 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	028 2566 3500
Ballymena	
Ballymoney	
Cookstown	
Carrickfergus	
Coleraine	
Larne	
Magherafelt	
Moyle	
Newtownabbey council areas	

Area/town	Telephone
Armagh and Dungannon Craigavon and Banbridge Newry and Mourne	028 3839 9201
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

Flammable Liquid Category 2, H225  
Aspiration Toxicity Category 1, H304  
Specific Target Organ Toxicity Single Exposure Category 3, H336

### 2.2. Label elements

#### Pictograms:



**Signal Word: Danger**

#### Hazard Statements:

Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

#### Precautionary Statements:

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves. IF SWALLOWED: Immediately call a POISON CENTRE/doctor/... Do NOT induce vomiting. Use only outdoors or in a well-ventilated area. Dispose of contents/container to local paint disposal facilities.

#### Supplemental information on the label:

Repeated exposure may cause skin dryness or cracking.

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

#### Pictograms:





**Signal Word: Danger**

**Hazard Statements:**

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

**Precautionary Statements:**

Keep out of reach of children. IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting. Read label before use.

**Supplemental information on the label:**

Repeated exposure may cause skin dryness or cracking.

**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
3-methoxy-3-methyl-1-butanol	56539-66-3	5%-10%		Eye Irrit. 2; H319		
butyl acetate	123-86-4	40%-45%		Flam. Liq.; H226 STOT SE 3; H336 EUH018		*
1-Methoxypropan-2-ol	107-98-2	25%-30%		Flam. Liq. 3; H226 STOT SE 3; H336		*
(C9-C11) Alkanes, linear, branches, cyclic <2% aromatics	919-857-5	25%-30%		Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 EUH066		
Propyleneglycol monomethylether acetate	108-65-6	5%-10%		Flam. Liq. 3; H226 STOT SE 3; H336		*

\*Substances with an occupation exposure limit. For further information, see section 8.1.

**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 INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist seek medical attention.

If in contact with skin, wash with soap and water. Wash contaminated clothing before reuse. If symptoms persist, seek medical attention.

In case of contact with eyes, flush with water for at least 20 minutes. Remove contact lenses (if present) and continue rinsing. If symptoms persist seek medical attention.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.



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

Use in poorly ventilated or enclosed areas may result in drowsiness, dizziness, headaches, confusion and nausea. Prolonged or repeated skin contact may result in skin dryness, redness and cracking. Ingestion may cause gastrointestinal discomfort. Vomiting after ingestion can result in aspiration which may be fatal.

#### **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**

Highly flammable liquid and vapour. Solvent vapours may form explosive mixture with air. Vapours are heavier than air and may spread near ground causing risk of flash back to ignition sources. Risk of explosion in closed containers if pressure rises rapidly. 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.

Users should note that paint thinner accessories, brushes, cloths etc... should also be considered flammable once used.

#### **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 vapours.

#### **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. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Adequately ventilate the space.



Absorb spillage with inert dry material such as sand, earth or vermiculite and place in an appropriate non-flammable waste disposal container. 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. Wash contaminated clothing before reuse. Do not breathe spray or mists. Do not eat drink or smoke whilst handling product. Ensure adequate ventilation and avoid breathing vapours.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in the original container. Store upright to prevent spills or leakage. Ground and bond containers and transfer equipment. Eliminate sources of static electric sparks. Store away from oxidizing materials.

Store out of direct sunlight. Do not freeze.

#### 7.3. Specific end use(s)

Hobby/Craft lacquer paint thinner with dry retarder in liquid form.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Workplace or Occupational Exposure Limits

##### UK Workplace Exposure Limits (EH40)

Substance	CAS #	Short Term Exposure Limit (STEL)	Long Term Exposure Limit (TWA)	Notes
butyl acetate	123-86-4	200 ppm 966 mg.m-3	150 ppm 724 mg.m-3	
1-Methoxypropan-2-ol	107-98-2	150 ppm 560 mg.m-3	100 ppm 375 mg.m-3	Sk
Propyleneglycol monomethylether acetate	108-65-6	100 ppm 548 mg.m-3	50 ppm 274 mg.m-3	Sk

##### European Union Workplace Exposure Limits

Substance	CAS #	Short Term Exposure Limit (STEL)	Long Term Exposure Limit (TWA)	Notes
butyl acetate	123-86-4	150 ppm 723 mg.m-3	50 ppm 241 mg.m-3	



1-Methoxypropan-2-ol	107-98-2	150 ppm 568 mg.m-3	100 ppm 375 mg.m-3	Skin Designation
Propyleneglycol monomethylether acetate	108-65-6	100 ppm 550 mg.m-3	50 ppm 275 mg.m-3	Skin Designation

## 8.2. Exposure controls

Use outdoors or in a well ventilated area. If ventilation is inadequate and/or exposure exceeds the workplace exposure limits then local exhaust ventilation and respiratory protection should be used.

When using respiratory protection, the recommendation is an organic vapour filter/cartridge.

Contaminated clothing should be washed before reuse. If prolonged or repeated skin contact is expected, 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.

Prevent build up of vapours by opening doors and windows. If you become light headed, nauseous or drowsy at any time whilst using the product, immediately cease use and move to fresh air.

## 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 petroleum

Melting point/ freezing point: Not available

Boiling point, or initial boiling point and boiling range: 56 - 126 °C

Flammability (if solid or gas): Not applicable

Lower and upper flammability or explosive limits: 1.2 – 12.8 Vol.-%

Flash point: - 18 °C

Ignition temperature: 260 °C

Decomposition temperature: Not determined

pH: Not determined

Kinematic viscosity: Not determined



Solubility: Not determined

Partition coefficient: n-octanol/water: Not determined

Vapour pressure: 24 kPa @ 20 °C

Density and/or relative density: 0.86

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

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

Irritation/ Corrosion

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

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)
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**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)**

On the basis of calculation method, the product may cause narcotic effects including drowsiness and dizziness if inhaled.

Product/ingredient name	Category	Route of exposure	Target organs
Butyl acetate	Category 3	Inhalation	Narcotic effect
1-Methoxypropan-2-ol	Category 3	Inhalation	Narcotic effect
(C9-C11) Alkanes, linear, branches, cyclic <2% aromatics	Category 3	Inhalation	Narcotic effect
Propyleneglycol monomethylether acetate	Category 3	Inhalation	Narcotic effect

**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

Deliberate inhalation of solvent fumes may be harmful or fatal.

Prolonged or repeated exposure to the skin may cause defatting, resulting in dry skin, redness and cracking.





## 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 thinner containers should be disposed of at household waste recycling centres whether empty or part filled. Some centres will accept liquid usable paint thinner for recycling schemes. Please check local requirements before disposal. Do not place in household waste. Paint thinner 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	UN1263	UN1263	UN1263



14.2. UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

Additional information

ADR/RID: Tunnel Code (D/E)  
 IMDG: EmS-No: F-E, S-E  
 IATA: Not applicable

**14.6. Special precautions for user**

Not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

Not intended for bulk transport

**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 2, H225</i>	<i>Highly flammable liquid and vapour.</i>
<i>Flammable Liquid Category 3, H226</i>	<i>Flammable liquid and vapour.</i>
<i>Aspiration Toxicity 1, H304</i>	<i>May be fatal if swallowed and enters airways.</i>
<i>Eye Irritant Category 2, H319</i>	<i>Causes serious eye irritation.</i>
<i>Specific Target Organ Toxicity Single Exposure Category 3, H336</i>	<i>May cause drowsiness or dizziness.</i>
<i>EUH018</i>	<i>In use, may form flammable/explosive vapour-air mixture</i>
<i>EUH066</i>	<i>Repeated exposure may cause skin dryness and cracking</i>

**ANNEX**