



Safety Data Sheet

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

1.1. Product identifier

Trade name Tamiya Acrylic Paints (X) (Range of Colours)
Contains Titanium dioxide, Stoddard Solvent, Propanol, Butanol
U.F.I.

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

Acrylic paints for model and hobby crafts
Not advisable for spray application due to inhalation risk.

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	028 3839 9201
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

Flammable Liquid Category 3, H226

Eye Damage Category 1, H318

Specific Target Organ Toxicity Single Exposure Category 3, H335

Specific Target Organ Toxicity Single Exposure Category 3, H336

Specific Target Organ Toxicity Repeat Exposure Category 2, H373

2.2. Label elements

Pictograms:



Signal Word: Danger

Hazard Statements:

Flammable liquid and vapour. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep out of reach of children.

Supplemental information on the label:

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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

Pictograms:



Signal Word: Danger

Hazard Statements:

Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

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

Supplemental information on the label:

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

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

Product presents an inhalation risk in spray form, or if dried and flaked into respirable dust particles.

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	0.10%-10.00%		Eye Irrit. 2; H319		
Butan-2-ol	78-92-2	10.00%-20.00%		Flam. Liq. 3; H226 Eye Irrit. 2; H319 STOT SE 3; H335 STOT SE 3; H336		*
Silica	60676-86-0	0.10%-15.00%		not classified		*
Aluminum powder	7429-90-5	0.10%-15.00%		Flam. Solid, 1; H228 Water-react. 2; H261		*
Propan-2-ol	67-63-0	5.00%-		Flam. Liq., 2; H225		*

		25.00%		Eye Irrit., 2; H319 STOT SE, 3; H336		
Ethanol	64-17-5	1.00%- 10.00%		Flam. Liq. 2; H225 Eye Irrit., 2; H319		*
Ethanol, 2- butoxy-	111-76-2	0.10%- 1.00%		Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332		*
Carbon black	1333-86-4	0.10%- 5.00%		not classified		*
Phthalo cyanine Blue	15304-57-1	0.10%- 1.00%		Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335		
1-Propanol	71-23-8	1.00%- 25.00%		Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336		*
2-Propanol, 1- methoxy-	107-98-2	10.00%- 25.00%		Flam. Liq. 3; H226 STOT SE 3; H336		*
Mica	12001-26-2	0.1%- 10.00%		not classified		*
Stoddard solvent	8052-41-3	1.00%- 5.00%		Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT RE 1; H372 (CNS effects) (inhalation) Aquatic Chronic 3; H412		
1-Tridecanol, phosphate	56831-62-0	0.10%- 0.5%		Skin Corr. 1B; H314 Eye Dam. 1; H318		
Titanium dioxide	13463-67-7	0.10%- 20.00%		classified H351 in powder form containing 1% or more of particles with aerodynamic diameter $\leq 10\mu\text{m}$; otherwise not classified.		Note 10 Note W *
Diiron (III) trioxide	1309-37-1	0.10%- 5.00%		not classified		*

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

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

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 immediately with soap and water. Wash contaminated clothing 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. Seek medical attention.

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. Inhalation of dust or spray will cause coughing, wheezing and shortness of breath. 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

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 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. Prevent inhalation of spray, or creation of dusts/flakes of dried material. 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, 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. 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, 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 breathe spray or mists. Do not eat drink or smoke whilst handling product. Ensure adequate ventilation and avoid breathing vapours.

If product has dried, minimise flaking or creation of dusts and fine particulates.

When sanding models which have been painted with this product, wear a dust mask with particulate filter to prevent inhalation of dusts.

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 acrylic paint in liquid form. Not advisable for spray application due to inhalation risk.

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
Butan-2-ol	78-92-2	150 ppm 462 mg/m ³	100 ppm 308 mg/m ³	
Silica	60676-86-0	-	0.08 mg/m ³	
Aluminium powder	7429-90-5	-	inhalable dust 10 mg/m ³ Respirable dust 4 mg/m ³	
Propan-2-ol	67-63-0	500 ppm 1250 mg/m ³	400 ppm 999 mg/m ³	
Ethanol	64-17-5	-	1000 ppm 1920 mg/m ³	
Ethanol, 2-butoxy-	111-76-2	50 ppm 246 mg/m ³	25 ppm 123 mg/m ³	(Skin)
Carbon black	1333-86-4	7 mg/m ³	3.5 mg/m ³	
1-Propanol	71-23-8	250 ppm 625 mg/m ³	200 ppm 500 mg/m ³	(Skin)
2-Propanol, 1-methoxy-	107-98-2	150 ppm 560 mg/m ³	100 ppm 375 mg/m ³	(Skin)
Mica	12001-26-2	-	Total Inhalable 10 mg/m ³ Respirable 0.8 mg/m ³	
Titanium dioxide	13463-67-7	-	Total inhalable 10 mg/m ³ Respirable 4 mg/m ³	
Diiron (III) trioxide	1309-37-1	10 mg/m ³	5 mg/m ³	

UK Biological Monitoring Guidance Values

Substance	CAS #	Monitoring Guidance
Ethanol, 2-butoxy-	111-76-2	240 mmol butoxyacetic acid/mol creatinine in urine post shift

European Union Workplace Exposure Limits

Substance	CAS #	Short Term Exposure Limit (STEL)	Long Term Exposure Limit (TWA)	Notes
Ethanol, 2-butoxy-	111-76-2	50 ppm 246 mg/m ³	20 ppm 98 mg/m ³	(Skin)
2-Propanol, 1-methoxy-	107-98-2	150 ppm 568 mg/m ³	100 ppm 375 mg/m ³	(Skin)

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.

In case of spray mist formation then always use respiratory protection – Recommended: particulate filter, or combination particulate and organic vapour.

Clothing should be washed before reuse. If prolonged 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: Each paint is an individual colour, see product label

Odour and odour threshold: Odour of alcohol

Melting point/ freezing point: Not determined

Boiling point, or initial boiling point and boiling range: 80 - 120 °C Boiling range

Flammability (if solid or gas): Not determined

Lower and upper flammability or explosive limits: Applies to vapour-air mixtures

Lower - 2.1 Vol. %

Upper - 13.5 Vol. %

Flash point: 31 - 33 °C

Auto-ignition temperature: 278 °C

Decomposition temperature: Not determined

pH: Not determined

Kinematic viscosity: Not determined

Solubility: At 20 °C solvents are partially soluble

Partition coefficient: n-octanol/water: Not determined

Vapour pressure: At 20 °C 42.7 hPa

Density and/or relative density: Not determined

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

On the basis of calculation method, the product is classified as corrosive to eyes. The classification criteria have not been met for irritation or corrosive effects to skin.

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)
Butan-2-ol	OECD Guideline 405	Rabbit		Single Exposure	Eye Irritation (Reversible)
Propan-2-ol	OECD Guideline 405	Rabbit		Single Exposure	Eye Irritation

	- Ended at day 14 before reversibility conclusion reached				
Propan-1-ol	OECD Guideline 405	Rabbit		Unwashed after application	Severe eye damage (Irreversible)

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

Titanium dioxide (CAS# 13463-67-7) presents a carcinogenic hazard when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This product as supplied does not meet the classification criteria for carcinogenicity.

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 irritation to the respiratory system and may cause narcotic effects including drowsiness and dizziness.

Product/ingredient name	Category	Route of exposure	Target organs
Butanol	Category 3	Inhalation	Respiratory System
Butanol	Category 3	Inhalation	Narcotic effect
Propan-2-ol	Category 3	Inhalation	Narcotic effect

Specific target organ toxicity (repeated exposure)

On the basis of calculation method, the product is suspected of causing damage to the central nervous system through prolonged or repeated exposure if inhaled

Product/ingredient name	Category	Route of exposure	Target organs
Stoddard Solvent	Category 1	Inhalation	Central Nervous System

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.

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 containers should be disposed of at household waste recycling centres whether empty or part filled. Some centres will accept liquid usable paint for recycling schemes. Please check local requirements before disposal. Do not place in household waste. Paint 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	PAINT	PAINT
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	III	III
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>Flammable Solid Category 2, H228</i>	<i>Flammable solid.</i>
<i>Substances and Mixtures which, in contact with water, emit flammable gases, Category 2, H261</i>	<i>In contact with water releases flammable gases</i>
<i>Acute toxicity Category 4 Oral, H302</i>	<i>Harmful if swallowed.</i>
<i>Aspiration Toxicity 1, H304</i>	<i>May be fatal if swallowed and enters airways.</i>
<i>Skin corrosion Category 1/ 1A/ 1B/ 1C, H314</i>	<i>Causes severe skin burns and eye damage</i>
<i>Skin Irritant Category 2, H315</i>	<i>Causes skin irritation.</i>
<i>Eye Damage Category 1, H318</i>	<i>Causes serious eye damage.</i>
<i>Eye Irritant Category 2, H319</i>	<i>Causes serious eye irritation.</i>
<i>Acute Toxicity Category 4, H332</i>	<i>Harmful if inhaled.</i>
<i>Specific Target Organ Toxicity Single Exposure Category 3, H335</i>	<i>May cause respiratory irritation.</i>
<i>Specific Target Organ Toxicity Single Exposure Category 3, H336</i>	<i>May cause drowsiness or dizziness.</i>
<i>Carcinogen Category 2, H351</i>	<i>Suspected of causing cancer</i>
<i>Specific Target Organ Toxicity Repeat Exposure Category 1, H372</i>	<i>Causes damage to organ through prolonged or repeated exposure</i>
<i>Hazardous to the aquatic environment Chronic 3, H412</i>	<i>Harmful to aquatic life with long lasting effects</i>
<i>EUH211</i>	<i>Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</i>

ANNEX