

UTRECHT DAMAR RETOUCH VARNISH

01765-1031

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	UTRECHT DAMAR RETOUCH VARNISH
Product Code	10-5685

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

Identified Use(s)	Coating Product - Arts & Crafts
Uses Advised Against	None

Company Identification

Telephone

Fax

E-Mail (competent person)

Emergency telephone number

Emergency Phone No.

Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

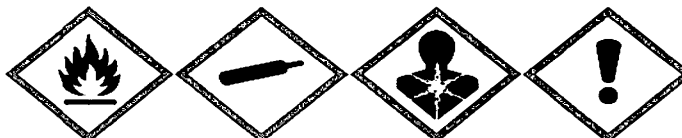
Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Skin Sens. 1; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; STOT RE 1; Asp. Tox. 1

Label elements

Hazard Symbol


DANGER

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.
 Contains gas under pressure; may explode if heated.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 May cause drowsiness or dizziness.
 May be fatal if swallowed and enters airways.
 May cause damage to organs through prolonged or repeated exposure.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Wash hands and exposed skin thoroughly after handling.
 Contaminated work clothing should not be allowed out of the workplace.
 Use only outdoors or in a well-ventilated area.

Precautionary Statement(s)

Page: 1/8

UTRECHT DAMAR RETOUCH VARNISH

Avoid contact with skin and eyes. Avoid breathing vapors.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Turpentine	30-50	9005-90-7 / 8006-64-2	Flam. Liq. 2; H225 Acute Tox. 4; H302, H312, H332 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Asp. Tox. 1; H304 Skin Sens. 1; H317 Aquatic Acute 2; H401 Aquatic Chronic 2; H411
Heptane, branched, cyclic and linear	10 - 30	426260-76-6	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336
Butane	10 - 15	106-97-8	Flam. Gas 1; H220 Liquefied gas; H280
Propane	10 - 15	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

Additional Information Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

^ Contains: Naphthalene (CAS No. 91-20-3); < = 0.7 % (< 0.01% in final formulation)

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Get medical advice/attention if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Do NOT induce vomiting. May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

UTRECHT DAMAR RETOUCH VARNISH

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.
Do not use water jet.

Special hazards arising from the substance or mixture

Pressurised container: May burst if heated

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions

Prevent liquid entering sewers, basements and work pits. Avoid release to the environment. Collect spillage.

Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections
Additional Information**

None
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use product in a well-ventilated area only. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities
-Storage temperature

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)

Coating Product - Arts & Crafts




SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Propane	74-98-6	1000 ppm	Aspyx. [§]	----	----	#
n-Butane	106-97-8	----	250 ppm	----	----	----
Heptane, branched, cyclic and linear	426260-76-6	500 ppm	1500 mg/m ³	----	----	----
Turpentine	8006-64-2/ 9005-90-7	100 ppm	20 ppm ^(§)	----	----	^(§) sensitization

[§]Assure minimum oxygen content of work atmosphere.

UTRECHT DAMAR RETOUCH VARNISH

Recommended monitoring method	NIOSH 1300 (Ketones I); NIOSH 1551 (Turpentine); NIOSH 1550 (Naphthas)
Exposure controls	
Appropriate engineering controls	Ensure adequate ventilation.
Personal protection equipment	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.
	
Respiratory protection	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.
	
Thermal hazards	Not normally required. Use gloves with insulation for thermal protection, when needed.
Environmental Exposure Controls	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color	Colorless
Odor	Petroleum spirit / Fuel oil-like
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-104 (Propane)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. 95 x 10 ⁴ (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	<20 cSt @ 40°C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.

UTRECHT DAMAR RETOUCH VARNISH

Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

Hazardous decomposition product(s)

Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Propane (CAS# 74-98-6):

Acute toxicity
Irritation/Corrosivity
Sensitisation
Repeated dose toxicity

Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)
No evidence of irritant effects from normal handling and use.
It is not a skin sensitizer.

NOAEC: \geq 19678 mg/m³ (28-day, rat, Systemic effects)
LOAEC: 21641 mg/m³ (28-day, rat, effects: Body weight)

Carcinogenicity
Mutagenicity
Reproductive toxicity

No data. It is unlikely to present a carcinogenic hazard to man.
There is no evidence of mutagenic potential.
None anticipated

*NTP	*IARC	*ACGIH	*OSHA	*NIOSH
Suspected Human	2B	A3	No.	No.

Mutagenicity
Reproductive toxicity

Not to be expected
Not to be expected

Turpentine (CAS No. 8006-64-2)

Acute toxicity

Oral: LD50 = 4.6 ml/kg-bw
Dermal: LD50 >2 g/kg-bw
Inhalation: LC50 = 13.7 mg/l (Vapor), 4-hr. rat

Irritation/Corrosivity

Causes serious eye irritation. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization

May cause sensitization by skin contact.

Repeated dose toxicity

Inhalation: NOAEL = 50 ppm (Vapor)

Carcinogenicity

No evidence of carcinogenicity.

NTP	*IARC	*ACGIH	*OSHA	*NIOSH
No.	No.	No.	No.	No.

Mutagenicity
Reproductive toxicity

There is evidence of mutagenic potential.
Not to be expected

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Acute toxicity

Oral: LD50 >5 g/kg-bw
Dermal: LD50 >2 g/kg-bw
Inhalation: LC50 = 65 - 103 mg/L (Vapor), 4-hr. rat
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Irritation/Corrosivity

Causes skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.

Sensitization

It is not a skin sensitizer.

Repeated dose toxicity

NOAEC: 12350 mg/m³ (2 yr, inhal., rat, Systemic effects)
LOAEC: 1650 mg/m³ (2 hr, inhal., rat, CNS effects)
May cause drowsiness or dizziness.

UTRECHT DAMAR RETOUCH VARNISH

Carcinogenicity

No data. It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity
Reproductive toxicity**There is no evidence of mutagenic potential.
Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity**Turpentine (CAS No. 8006-64-2)****Short term**

LC50 (96 hour): 29 mg/L (*Zebrafish*)
 EL50 (48 hour): 6.4 mg/L (*Daphnia magna*)
 EL50 (72 hour): 17.1 mg/L (*Desmodemus subspicatus*)

Long Term

No data

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:**Short term**

LL50 (96 hour): >13.4 mg/L (*Oncorhynchus mykiss*)
 EL50 (48 hour): 3 mg/l (*Daphnia magna*, mobility)
 EC50 (96 hour): 13 mg/l (*Pseudokirchnerella subcapitata*)
 NOELR (28 days) 1.5 mg/l (*Fish*) QSAR
 LOEC (21 days): 0.32 mg/l (*Daphnia magna*)
 NOEL (96 hour) 6.3 mg/l (Algae)

Long Term**Persistence and degradability**

Readily biodegradable.

Bioaccumulative potential

The product has no potential for bioaccumulation.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

UTRECHT DAMAR RETOUCH VARNISH

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	---	-----

SARA 311/312 - Hazard Categories: See SECTION 2: HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	---

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	---	---	---

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: July 5, 2017

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation
- H332: Harmful if inhaled..
- H336: May cause drowsiness or dizziness
- H351: Suspected of causing cancer.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

UTRECHT DAMAR RETOUCH VARNISH

Training advice: None.

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