



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Chroma Satin Solvent Finishing Varnish

Product description: Solvent Strippable Artists' Finishing Varnish

Manufacturer: Chroma Australia Pty Ltd
PO Box 3B
17 Mundowi Road
Mount Kuring-Gai, NSW 2080 Australia
www.chromaonline.com

For non-emergency information contact: 61-02-9457-9922

Fax: 61-02-9457-8082

Emergency telephone number: As Above or 13 11 26
(Poisons Information Centre)

2. HAZARDS IDENTIFICATION

Classified as **HAZARDOUS** according to the criteria of Safe Work Australia (formerly ASCC – Australian Safety and Compensation Council [formerly NOHSC – National Occupational Health & Safety Commission])

Xn: Harmful; Xi: Irritant; N: Dangerous for the Environment; F: Flammable

Hazard Classification(s) assigned under GHS Classification Criteria



- Aspiration Hazard Category 1
- Skin Irritation Category 2
- Hazardous to the Aquatic Environment Category 2
- Flammable Liquids Category 3

Poison Schedule

Schedule 5

Risk Phrases: R65, R38, R67, R51/53

Safety Phrases: S62, S23, S24/25, S61, S2, S9, S16

The full text of each R-Phrases and S-Phrases are listed in section 16

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Mineral Turpentine	9005-90-7	<60%
Acrylic Copolymer	Commercial in Confidence	<36%
Silica Amorphous	7631-86-9	<3%
Preservative	26530-20-1	0.56%

4. FIRST AID MEASURES

Ingestion: DO NOT INDUCE VOMITING. Moderately toxic, seek urgent medical attention. May cause gastric irritation, nausea and abdominal pain. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth thoroughly with water and give water to drink. Never give anything by mouth to an unconscious person.

Inhalation: Using proper respiratory protection, immediately remove the victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for urgent medical attention.

Skin contact: Prolonged or repeated contact may cause skin irritation; Flush with large amounts of water, using mild soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use. If irritation persists, consult a physician.

Eye contact: Direct eye contact may cause moderate irritation, redness, blurred vision and/or swelling; flush eyes with large amounts of cool water for at least 15 minutes, keeping the eyelids open. Seek immediate specialist attention.

Advice to doctor: Treat symptomatically. Avoid gastric lavage – aspiration of product to the lungs may result in chemical pneumonitis or pulmonary oedema.

5. FIRE FIGHTING MEASURES

Flammability Conditions: Product is a flammable liquid.

Hazchem Code: 3Y

Suitable extinguishing equipment: Dry chemical or foam extinguishers. DO NOT USE WATER IN JET.

Specific hazards during firefighting: Product is a flammable liquid. Eliminate ignition sources. Do not allow fire fighting water to reach waterways, drains or sewers. Store firefighting water for treatment. Prevent vapours and dusts from building up in confined areas as this product may create an explosion hazard when exposed to temperatures at or above the flash point of 31°C. Hazardous decomposition products may include carbon dioxide and carbon monoxide.

Special protective equipment for fire fighters: Wear a positive-pressure self contained breathing apparatus and complete protective fire fighting clothing or chemical splash suit. Stay upwind and ensure fire area is well clear of all non-emergency personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Personal protective equipment (PPE) may be used. See Section 8 for full list of recommended PPE.

Methods and materials for containment and cleaning up:

Eliminate all sources of ignition. Increase ventilation. Do not let product reach drains or waterways. If a large amount of the product does enter a waterway advise your local Waste Management.

Dangerous Goods – Initial Emergency Response Guide (IERG) (SAA/SNZ HB76)

For LIQUIDS – FLAMMABLE, Guide No: 15

Methods and materials for containment and cleaning up:

Minor Spill: Mop up with dry rags and dispose of in general waste. Absorbent material used will become flammable; keep away from all ignition sources. If the product sets to a hard or sticky clear coating, it may be scraped off after softening with solvent.

Major Spill: Contain spill with sand and transfer to containers for disposal. Prevent vapours and dusts from building up in confined areas. Do not allow product to enter sewers or bodies of water. Avoid soil and/or vegetation contamination. Contact local waste disposal authority for disposal advice.

7. HANDLING AND STORAGE

Handling: This product is flammable; do not open near open flame, sources of heat or ignition. No smoking. Keep container tightly closed when not in use. Open container slowly to control possible pressure release. Avoid contact with eyes, skin and clothing. Do not swallow. Do not inhale. Use of personal protection equipment is recommended.

Storage: Keep from freezing. Store in a cool, dry place away from direct sunlight. Do not pressurize, cut, heat or weld containers. Residual vapours are flammable. This product is flammable and will fuel a fire in progress. Incompatible storage materials include natural rubber, butyl rubber, nitrile rubber, neoprene rubber, ethylene-propylene-diene-monomer rubber (EPDM) and polystyrene.

Storage temperature: 1°C/34°F - 38°C/100°F.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

The time weighted average concentration (TWA) for this product has not been established, however, for *Mineral Turpentine* the TWA is: 480mg/m³
NOTE: The exposure value at the Time Weighted Average (TWA) is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

Exposure controls

Engineering measures: Local exhaust ventilation is recommended in confined spaces.

Protective measures: Facilities storing or utilizing this material in large volumes should be equipped with ventilation equipment.

Individual protection measures

Eye/face protection: It is recommended to use safety glasses with side shields or a full face shield when using this product.

Skin protection: Wear long sleeves, long trousers or coveralls and enclosed footwear when using this product.

Respiratory protection: Where concentrations in air may approach or exceed the limits described in Section 8, it is recommended to use a half-face filter mask of Type 'A' or equivalent material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear or straw coloured liquid
Odour	Paraffinic
pH	No data available
Boiling/Melting Point	148°C - 200°C
Flash Point	31°C
Autoignition Temperature	>200°C
Explosive Limits in Air	0.6-7.0 % vol/vol
Percent Volatiles	100% vol/vol 50%
Evaporation Rate	No data available
Vapour Pressure	0.429 kPa (@ 20°C)
Vapour Density	No data available
Relative Density	0.812 g/ml (@15°C) 0.91
Water Solubility	57 mg/L
Viscosity	1,000 – 3,000 cps @ 25°C

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Chemical stability: Stable at room temperature and pressure

Conditions to avoid: Excessive heat, open flames.

Materials to avoid: Mineral acids, strong oxidisers, halogenated compounds.

Hazardous decomposition products: Carbon dioxide, carbon monoxide and organic complexes on incomplete burning/oxidisation.

Polymerisation: Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION

Toxicity: Minimal Toxicity.

Inhalation: This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

Ingestion: Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. Ingestion of any amount of this product may result in coughing, choking, wheezing, difficulty breathing, fever, headaches, nausea, dizziness and tracheal/mouth/lips irritation.

Eye Contact: Contact with eye will cause discomfort and possible swelling, but will not injure eye tissue.

Skin Contact: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and irritant dermatitis.

12. ECOLOGICAL INFORMATION

No environmental impact information is available for this product, however for:

Mineral Turpentine:

Ecotoxicity

Aquatic Toxicity:	Expected to be toxic, $1 < LC/EC/IC 50 \leq 10\text{mg/l}$
Fish Toxicity LC ₅₀ :	No data available
Daphnia Magna EC ₅₀ :	1,2,4 Trimethyl Benzene: F30 mmol/m ³
Blue-green algae:	No data available
Green algae:	No data available

Persistence and degradability: Log P: 3.63. Readily biodegradable; oxidizes rapidly by photo-chemical reactions in air.

Bioaccumulative Potential: No data available but product has the potential to bioaccumulate.

Mobility: Water solubility: 57mg/L – limited potential to contaminate groundwater. Floats on water.

13. DISPOSAL CONSIDERATIONS

Small Quantities

Do not pour left over product into drains. Unwanted product should be brushed onto newspaper and allowed to dry to be disposed of via domestic waste collection. Soak up smaller spills with a rag and dispose of via domestic waste collection. Absorbent material used will become flammable; keep away from all ignition sources.

Large quantities

Clean up immediately. Prevent spill and cleaning runoff from entering sewers, drains and open bodies of water. Contain spill with sand and transfer to containers for disposal. This product is ashless and can be incinerated in a regulated facility. Contact local waste disposal authority for disposal advice.

Environmental precautions: Do not wash large spills into municipal sewers, drains, natural streams, rivers, or open bodies of water. Avoid soil and vegetation contamination. Product has limited potential to contaminate groundwater.

14. TRANSPORT INFORMATION

UN Number: 1300

Hazchem Code

3Y

Special Precaution for user

Xn: Harmful; Xi: Irritant; N: Dangerous for the Environment; F: Flammable

Australian Dangerous Goods (ADG) Code

Proper Shipping Name: Turpentine Substitute
Dangerous Goods Class: 3
Sub. Risk: None
Packaging Group: III
Hazchem Code 3Y

Classification for sea transport (IMO-IMDG)

Proper Shipping Name: Turpentine Substitute
Dangerous Goods Class: 3
Sub. Risk: None
Packaging Group: III
Labelling: 3-FLAMMABLE
Marine Pollutant: No

Classification for air transport (IATA/ICAO)

Proper Shipping Name: Turpentine Substitute
Dangerous Goods Class: 3
Sub. Risk: None
Packaging Group: III
Labelling: 3-FLAMMABLE

Note: Country variations may apply

15. REGULATORY INFORMATION

Poisons Schedule 5
Signal Word Hazardous

Inventory Status

Australia (AICS/NICNAS) Y
New Zealand (NZIoC) Y

Y = All ingredients are on the inventory

16. OTHER INFORMATION

Allergy information: Due care has been taken to ensure this product does not contain any food derivatives or food-based products however we cannot guarantee the same applies to any of our suppliers of the individual components of this product.

Full text of R-Phrases

R65 Harmful: May cause lung damage if swallowed
R38 Irritating to skin
R67 Vapours may cause drowsiness/dizziness
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Full text of S-Phrases

S62 If swallowed, do not induce vomiting. Seek medical advice immediately.
S23 Do not breathe vapour/mist/spray
S24/25 Avoid contact with skin and eyes
S61 Avoid release into the environment. Refer to special instructions/SDS
S2 Keep out of reach of children
S9 Keep container in a well-ventilated place
S16 Keep away from sources of ignition

Reference for Section 12

http://cfpub.epa.gov/ecotox/quick_query.htm (July, 2008)

Revision: 27th November 2015 – MSDS updated from old format to new 16 point GHS Standard SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates to only the specific material designated and may not be valid for such material when used in combination with any other materials or in any process unless specified in the text. Since Chroma Australia Pty Ltd cannot anticipate or control conditions of use, each user prior to using the product should assess and control the risks arising from usage of the product.