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EMERGENCY PH: As above, or Poisons Information Centre

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Material Safety Data Sheet

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

Xi: Irritant; F: Highly Flammable

IDENTIFICATION

Product name: Atelier™ Interactive Unlocking Formula

Other names: Atelier™ Unlocking Formula

Manufacturer's Product Codes: AT72780

Use: Allows user to reopen a layer of Atelier Interactive Professional Artists' Acrylic Paint even after touch dry.

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U.N. No: 1219

Hazchem: 2YE

Dangerous Goods Class & Sub Risk: 2 (II)

Poisons Schedule: N/A

PHYSICAL DESCRIPTION / PROPERTIES

Appearance: Clear liquid

Flash Point: 12°C Closed Cup

Boiling Point/Melting Point: 82.3°C

Lower Explosion Limit: 2%

Vapour Pressure: 33mmHg (20°C) torr (@ 20°C)

Specific Gravity: 0.785g/ml

Volatile Percent: 1.5%

Odour: Rubbery alcohol odour

Auto Ignition Temperature: 399°C

Freezing Point: -88.5°C

Upper Explosion Limit: 12%

Relative Vapour Density: 2.07

Solubility in Water (g/L): Completely soluble

COMPONENTS

Chemical Entity	CAS No.	Concentration
Water	7732-18-5	Commercial In Confidence
Isopropanol (Isopropyl Alcohol)	67-63-0	50% by volume

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

HEALTH HAZARD / TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms of effects may occur if the product is mishandled.

Inhalation: Low concentration (below 400 ppm) of vapour will cause slight irritation to the upper respiratory tract. High concentration of vapour will cause dizziness, loss of co-ordination and deep coma.

Ingestion: May cause dizziness, stomach ache, cramping, nausea, vomiting & diarrhoea. An ingestion of a large amount may cause unconsciousness and /or death.

Eye Contact: Direct eye contact will cause slight irritation, redness and/or swelling.

Skin Contact: Prolonged or repeated contact may cause irritation.

FIRST AID MEASURES

Ingestion: DO NOT induce vomiting. Rinse mouth with water. Have affected person drink two (2) glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Inhalation: Move victim to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Skin contact: Prolonged or repeated contact may cause skin irritation; Wash affected areas thoroughly with warm running water. If irritation persists, consult a physician.

Eye contact: Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention immediately.

Advice to doctor: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure limit(s): No Time Weighted Average (TWA) exposure standard has been established for this product, however for Isopropyl Alcohol (Isopropyl Alcohol) the TWA = 440ppm (983mg/m³) (STEL = 500ppm [1230mg/m³])

NB: The exposure value at the 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: Ensure adequate natural or mechanical ventilations to keep exposure to vapours as low as possible. Keep containers closed when not in use.

Protective measures: Facilities storing or utilizing this material should be equipped with water facilities and appropriate ventilation equipment.

Individual protection measures

For general use Personal Protection Equipment (PPE) is not required; however a detailed risk assessment on the use of this product taking in to account the work environment and handling methods may indicate PPE is recommended.

Eye/face protection: Chemical safety goggles may be worn. (AS1336/1337)

Skin protection: Single use nitrile gloves may be worn. Wash material immediately off skin with cool soapy water.

Respiratory protection: Not necessary if used in a ventilated environment.

SAFE HANDLING & STORAGE INFORMATION

Safe handling: Avoid contact with eyes. Wash hands with cool soapy water immediately after use. Personal clothing protection is recommended. Operation of use should be conducted in a well ventilated area using the smallest quantity possible.

Storage: Keep from freezing. Store in a cool, dry place, well ventilated away from direct sunlight and all sources of ignition and incompatible materials. Shake/stir well before use. Ensure lid is tightly closed when not in use. Incompatible materials include strong oxidants, (such as nitrates, perchlorates & peroxides,) Phosgene, Ferric salt, Hydrogen-palladium, strong acids, and alkali metals.

Ambient storage temperature: 1°C - 38°C

TRANSPORT INFORMATION**Classification for Australian land transport (ADG)**

Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)
 Class: 3 Flammable Liquids
 EPG: 16 Liquids – Highly Flammable, Toxic
 UN Number: 1219
 Hazchem: 2YE
 Pack Group: II

Classification for New Zealand land transport (NZS5433)

Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)
 Class: 3 Flammable Liquids
 EPG: 16 Liquids – Highly Flammable, Toxic
 UN Number: 1219
 Hazchem: 2YE
 Pack Group: II

Classification for sea transport (IMO-IMDG):

Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)
 Class: 3 Flammable Liquids
 UN Number: 1219
 Hazchem: 2YE
 Pack Group: II
 EMS: FE,SD
 Marine Pollutant: No

Classification for air transport (IATA/ICAO):

Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)
 Class: 3 Flammable Liquids
 EPG: 16 Liquids – Highly Flammable, Toxic
 UN Number: 1219
 Hazchem: 2YE
 Pack Group: II

FIRE / EXPLOSION HAZARD

Flammability: Highly-flammable

Suitable extinguishing equipment: In case of fire, appropriate extinguishing media include carbon dioxide, chemical powder and alcoholic foam. Using water fog to extinguish fire may be ineffective without trained fire-fighting personnel. Do not use water in a jet.

Specific hazards during fire fighting: Highly flammable liquid and vapour. Liquid may accumulate electric charges. Vapour is heavier than air and may float to places far away and may flashback from ignition sources. In extreme heat, containers may rupture and explode. Incompatible materials include strong oxidants, (such as nitrates, perchlorates & peroxides,) Phosgene, Ferric salt, Hydrogen-palladium, strong acids, alkali metals, and all source of ignition. Extreme heat will cause this material to decompose and produce toxic gas.

Special protective equipment for fire fighters: Wear a positive-pressure self-contained breathing apparatus (SCBA) and protective self-contained fire fighting suit

DISPOSAL / ACCIDENTAL RELEASE ADVICE

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/Wipe up smaller spills with a rag and dispose of via domestic waste collection.

Large quantities

Clean up immediately. Prevent spill and cleaning runoff from entering sewers, drains and open bodies of water. If a large amount of product enters a waterway advise your local Waste Management. Contain spill with sand or other inert material and transfer to containers for disposal. Avoid walking through spilled product as it may be slippery. Contact local waste disposal authority for disposal advice.

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.

Revision: 29th November 2013 – MSDS reformatted and extra information added.

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.