

SAFETY DATA SHEET

PRODUCT NAME : 2K AUTO CLEAR HARDENER PAUTO H

Date of preparation : **22nd November 2019**

Revision Number: **0**

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name : **2K AUTO CLEAR HARDENER**
 Product Code : **PAUTO H**

Recommended use of the chemical and restrictions on use
 Use of substance/ Mixture : **Paints material**

Company Identification :
 Advanced Paint Technology Pty Ltd
 2/3 Walhalla Way
 Ravenhall VIC 3023
 Australia

Emergency Telephone Number : 1300 205 910

SECTION 2 : HAZARD IDENTIFICATION

Classification of the substance or mixture

Flammable liquid, Category 3, H226
 Skin irritation, Category 2, H315
 Specific target organ toxicity - single exposure, Category 3, H335

GHS Labeling



Signal word: **Warning**

Hazard Statement

H226: This product is flammable
 H315: This product may cause skin irritation
 H335: This product may cause respiratory irritation

Precautionary statements

Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P260: Do not breathe gas/mist/vapours/spray.
 P280: Wear protective gloves/ clothing/ eye protection/ face protection.

Response

P303 + P361 + P353: IF ON SKIN : Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P312: Call a POISON CENTER or physician if you feel unwell.

Storage

P403 + P233: Store in well-ventilated place. Keep container tightly closed.

SECTION 3 : COMPOSITION/INFORMATION OF HAZARDOUS CHEMICAL INGREDIENTS

This product is a mixture

Hazardous component

Chemical Name	CAS Number	EC Number	Concentration
N-butyl acetate	123-86-4	204-658-1	< 55 %
Alifatic Polyisocyanate	28182-81-2	931-274-8	< 45 %

SAFETY DATA SHEET

PRODUCT NAME : 2K AUTO CLEAR HARDENER PAUTO H

SECTION 4 : FIRST AID MEASURES

Description of first aid measures

Eye contact	:	Flush immediately with water for at least 15 minutes. Get medical attention.
Skin contact	:	Flush immediately with water for at least 15 minutes. Get medical attention.
Inhalation	:	Provide fresh air. If swallowed, do not induce vomiting. Call physician.
Ingestion	:	If patient conscious, give plenty of water to drink. Do not induce vomiting. Get medical attention.

Indication of immediate attention and special treatment needed: No data available.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media :	Dry chemical, carbon dioxide, foam extinguisher.
Specific hazard arising from the chemicals:	Flammable Liquid Vapors may form explosive mixtures with air Irritating or toxic vapors Formation of toxic products through combustion: Carbon oxides
Advice for firefighters:	In the event of fire, wear self-contained breathing apparatus. Spray water to cool down unopened containers. Do not allow run-off from the fire fighting to enter drains or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Prohibit all sources of sparks and ignition. Do not smoke. Avoid contact with the skin and the eyes. Avoid inhalation of vapors.

Environmental precautions

Do not let product enter drains. Do not flush into surface water. Do not release into the environment. Local authorities should be advise if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Recovery:
Shovel into suitable container for disposal. Never return spills in original containers for re-use. Absorb the remainder with an inert absorbent material (sand, vermiculite, perlite). No sparking tools should be used.

SECTION 7 : HANDLING AND STORAGE

Precautions for safe handling

Handling

Storage and handling precautions applicable to products: Liquid. Flammable. Irritant. Provide appropriate exhaust ventilation at machinery. Provide showers, eye-baths near the point of use. Provide electrical earthing of equipment. Prohibit all sources of sparks and ignition - Do not smoke. Take precautionary measures against static discharges. In case of insufficient ventilation, wear suitable respiratory equipment
Take off immediately all contaminated clothing. Avoid contact with the skin and the eyes. Avoid inhalation of vapours. When using do not eat, drink or smoke.
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Storage

Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Store away from heat and ignition sources. Provide electrical earthing of equipment and electrical equipment usable in explosive atmospheres. Avoid long storage period. Keep away from direct sunlight. Provide a catch-tank in a bunded area.

Incompatible products

Keep away from heat, acid oxidizing agents and strong acid.

SAFETY DATA SHEET

PRODUCT NAME : 2K AUTO CLEAR HARDENER PAUTO H

SECTION 8 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters

Exposure Limit Values

Substance	Regulation	Value type	Value (ppm)	Value (mg/m3)	Remarks
N-butyl acetate	OSHA PEL	TWA	200	950	-
Alifatic Polyisocyanate	OSHA PEL	TWA	No data	0.5	-

Exposure controls:

Appropriate engineering controls: Frequently monitor and control the working atmosphere.
Provide appropriate exhaust ventilation at machinery.

Personal protective equipment

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection: Wear protective gloves - neoprene, butyl or nitrile rubber.

Eye/face protection: Safety glasses.

Skin and body protection: Protective suit / apron.

Pictogram :



Environmental exposure controls: Refer section 6

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear Liquid
Odour	: Fruity odour
Odour Threshold	: No data available
pH	: No data available
Melting Point / Freezing point	: No data available
Boiling Point / Boiling Range	: 126°C
Flash Point	: 22°C
Evaporation Rate	: 1
Flammability (solid, gas)	: No data available
Flammable limit (%)	: 1.7 7.6
Vapour Pressure (mm Hg at 25°C)	: 12
Vapour Density	: 4
Density (at 25°C)	: 0.96 Kg/Lt
Solubility in water	: No Soluble
Partition coefficient : n-octanol/water	: No data available
Autoignition temperature	: > 425°C
Decomposition temperature	: No data available
Viscosity	: No data available

SAFETY DATA SHEET

PRODUCT NAME : 2K AUTO CLEAR HARDENER PAUTO H

SECTION 10 : STABILITY AND REACTIVITY

Reactivity & Chemical stability : The product is stable under normal handling and storage conditions
 Possibility of hazardous reactions : None under normal conditions of use
 Conditions to avoid : Avoid all ignition sources, naked flames, heat and sparks.
 Incompatibles : Not applicable
 Hazardous Decomposition Products : Burning produces CO, CO₂, organic compound, soot and smoke.

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:
 Inhalation: According to its composition : May be harmful if inhaled.

Reproductive Effect : Not applicable

Effects of over-exposure :

Route of entry	Effects
Inhalation	Headache, nausea and dizziness
Skin Contact	May lead to Irritation
Eye Contact	May lead to Irritation
Skin Absorption	Non-identified
Ingestion	Headache, nausea, vomiting, dizziness and irritation of upper respiratory effect

Chronic effects : Damage to central nervous system and respiratory system

Target organs : Respiratory system

Medical Conditions Generally Aggravated by exposure : Not applicable

SECTION 12 : ECOLOGICAL INFORMATION

Aquatic Toxicity : No data available
 Biodegradability : No data available
 Bioaccumulative potential : No data available
 Mobility in Soil : No data available
 Other adverse effects : No data available

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste treatment

Disposal of product: : The product should not be allowed to enter drains, water courses or the soil. Dispose of contents/ container to an approved waste disposal plant. In accordance with local and national regulations. Disposal of products shall be consistent with the Environmental Quality Act 1974.

Disposal of packaging : Recycle if possible.
 Disposal of packaging shall be consistent with the Environmental Quality Act 1974.

SECTION 14 : TRANSPORT INFORMATION

Regulation	UN number	Proper shipping name	Class	Label	Packing group	Environmentally hazards
IATA Cargo	1263	Paint Related Material	3	3	III	N/A
IATA Passenger	1263	Paint Related Material	3	3	III	N/A
IMDG	1263	Paint Related Material	3	3	III	N/A

SAFETY DATA SHEET

PRODUCT NAME : 2K AUTO CLEAR HARDENER PAUTO H

SECTION 15 : REGULATORY INFORMATION

Not listed	Stockholm Convention on Persistent Organic Pollutants (POPs)
Not listed	Montreal Protocol. Substances that Deplete the Ozone Layer, as amended
Not listed	Kyoto Protocol to the United Nations Framework Convention on Climate Change, Annex A, Greenhouse Gases
Not listed	Rotterdam Convention on the Prior Informed Consent (PIC) Procedure for Certain Hazardous Chemicals and Pesticides in International Trade
Not listed	International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors
INVENTORIES	Conform to EINECS, TSCA, DSL, IECSC, KECI, PICCS,AICS,NZIOC.

SECTION 16 : OTHER INFORMATION

Full text of R, H, EUH-phrases referred to under sections 2 and 3

- H226 Flammable liquid and vapour.
- H303 May be harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H335 May cause respiratory irritation.
- H401 Toxic to aquatic life.

Disclaimer:

This information applies to the PRODUCT AS SUCH and conforming to specifications of the manufacturer. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.