



SAFETY DATA SHEET
808-0021 2K HAMMER EFFECT PEARL VARNISH
Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name 808-0021 2K HAMMER EFFECT PEARL VARNISH
Chemical name Polyol of PU System with Metallic Effect
Product number 808-0021

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

Identified uses Wood Coating

1.3. Details of the supplier of the safety data sheet

Supplier KUBILAY KIMYA VE BOYA SAN.TIC.LTD.STI.
Aliağa Organize Sanayi Bölgesi
113 Sok. No:6
35800 Aliağa / İzmir
TURKEY

Tel: +90 232 621 50 01
info@kubilayboya.com
www.kubilayboya.com

Contact person Bahadır AKDAS (Mr) - arge@kubilayboya.com
(Certificate No:GBF01.28.10)

Manufacturer KUBILAY KIMYA VE BOYA SAN.TIC.LTD.STI.
Aliağa Organize Sanayi Bölgesi
113 Sok. No:6
35800 Aliağa / İzmir
TURKEY

Tel: +90 232 621 50 01
info@kubilayboya.com
www.kubilayboya.com

1.4. Emergency telephone number

Emergency telephone KUBILAY BOYA : +90 232 621 50 01 (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Skin Irrit. 2 - H315 STOT SE 3 - H336
Environmental hazards Not Classified

2.2. Label elements

808-0021 2K HAMMER EFFECT PEARL VARNISH**Hazard pictograms****Signal word**

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P261 Avoid breathing vapour/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTRE/doctor if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

n-butyl acetate, Acetone

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

n-butyl acetate	20-25%
CAS number: 123-86-4	EC number: 204-658-1
Classification	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	

808-0021 2K HAMMER EFFECT PEARL VARNISH

2-methoxy-1-methylethyl acetate	10-20%
CAS number: 108-65-6	EC number: 203-603-9
Classification	
Flam. Liq. 3 - H226	
Xylene	10-20%
CAS number: 1330-20-7	EC number: 215-535-7
Classification	
Flam. Liq. 3 - H226	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Acetone	1-5%
CAS number: 67-64-1	EC number: 200-662-2
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives. Meets RoHS Standarts according to 2011/65/EU Directive.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
Inhalation	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Skin contact	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Remove contaminated clothing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Severe irritation.

808-0021 2K HAMMER EFFECT PEARL VARNISH

Eye contact Redness. Severe irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Risk of explosion if heated. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. Move containers from fire area if it can be done without risk.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear fire/flame resistant/retardant clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes. Ensure procedures and training for emergency decontamination and disposal are in place.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.
Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Do not touch or walk into spilled material.
Small Spillages: Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

808-0021 2K HAMMER EFFECT PEARL VARNISH

7.1. Precautions for safe handling

Usage precautions Wear protective clothing, gloves, eye and face protection. Keep away from heat, sparks and open flame. Do not get in eyes, on skin, or on clothing. Provide adequate ventilation. Avoid breathing vapour/spray. Use approved respirator if air contamination is above an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

n-butyl acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³

Sk

Xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m³(Sk)

Acetone

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

n-butyl acetate (CAS: 123-86-4)

808-0021 2K HAMMER EFFECT PEARL VARNISH

DNEL

Workers - Inhalation; Short term systemic effects: 960 mg/m³
 Workers - Inhalation; Short term local effects: 960 mg/m³
 Workers - Inhalation; Long term systemic effects: 480 mg/m³
 Workers - Inhalation; Long term local effects: 480 mg/m³
 Workers - Dermal; Long term systemic effects: 7 mg/kg/day
 General population - Dermal; Long term systemic effects: 3,4 mg/kg/day
 General population - Inhalation; Long term systemic effects: 12 mg/m³
 General population - Oral; Long term systemic effects: 3,4 mg/kg/day
 Consumer - Inhalation; Short term systemic effects: 860 mg/m³
 Consumer - Inhalation; Short term local effects: 860 mg/m³
 Consumer - Inhalation; Long term systemic effects: 102 mg/m³
 Consumer - Inhalation; Long term local effects: 102 mg/m³

PNEC

Fresh water; 0,18 mg/l
 marine water; 0,018 mg/l
 Intermittent release; 0,36 mg/l
 Sediment (Freshwater); 0,981 mg/kg
 Sediment (Marinewater); 0,0981 mg/kg
 Soil; 0,0903 mg/kg/day
 STP; 35,6 mg/l

2-methoxy-1-methylethyl acetate (CAS: 108-65-6)

DNEL

Workers - Dermal; Long term systemic effects: 153,5 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 275 mg/m³
 Consumer - Dermal; Long term systemic effects: 54,8 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 33 mg/m³
 Consumer - Oral; Long term systemic effects: 1,67 mg/kg/day

PNEC

Fresh water; 0,635 mg/l
 marine water; 0,0635 mg/l
 Sediment (Freshwater); 3,29 mg/kg
 Sediment (Marinewater); 0,329 mg/kg
 Soil; 0,29 mg/kg

Xylene (CAS: 1330-20-7)

DNEL

Workers - Dermal; Short term systemic effects: 442 mg/kg/day
 Workers - Dermal; Long term systemic effects: 221 mg/kg/day

PNEC

Fresh water; 0,327 mg/l
 Sediment (Freshwater); 12,46 mg/kg
 Soil; 2,31 mg/kg
 marine water; 0,327 mg/l
 Sediment (Marinewater); 12,46 mg/kg
 STP; 6,58 mg/l

Acetone (CAS: 67-64-1)

DNEL

Workers - Inhalation; Short term local effects: 1000 ppm
 Workers - Dermal; Long term : 186 mg/kg
 Workers - Inhalation; Long term : 500 ppm
 Consumer - Dermal; Long term : 62 mg/kg
 Consumer - Inhalation; Long term : 200 mg/m³
 Consumer - Oral; Long term : 32 mg/kg

808-0021 2K HAMMER EFFECT PEARL VARNISH

PNEC

Fresh water; 10.6 mg/l
 marine water; 1.06 mg/l
 Sediment (Freshwater); 30.4 mg/kg
 Sediment (Marinewater); 3.04 mg/kg
 Soil; 29.5 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

Eye/face protection

Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber (natural, latex).
 The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Eye wash facilities and emergency shower must be available when handling this product. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Gas and combination filter cartridges should comply with European Standard EN14387.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Gri Sedef
Odour	Characteristic.
Odour threshold	No information available.
Melting point	No information available.
Initial boiling point and range	>35°C @ 760 mm Hg
Flash point	> 34°C
Flammability (solid, gas)	No information available.

808-0021 2K HAMMER EFFECT PEARL VARNISH

Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	1,013 ± 0,05 g/cm ³ , 20°C
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	20-30 sec, D4/20°C @ °C
Explosive properties	There are no chemical groups present in the product that are associated with explosive properties.
Oxidising properties	There are no chemical groups present in the product that are associated with oxidising properties.

9.2. Other information

Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known. No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 8,461.54

Acute toxicity - inhalation

808-0021 2K HAMMER EFFECT PEARL VARNISH

ATE inhalation (gases ppm)	34,615.38
ATE inhalation (vapours mg/l)	84.62
ATE inhalation (dusts/mists mg/l)	11.54
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
General information	
	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.
Route of exposure	Inhalation Skin absorption
Medical symptoms	Irritation of eyes and mucous membranes.

SECTION 12: Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.
--------------------	--

808-0021 2K HAMMER EFFECT PEARL VARNISH

12.1. Toxicity

Toxicity No information available.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not known. Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

ICAO class/division 3

808-0021 2K HAMMER EFFECT PEARL VARNISH

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Hazard Identification Number 33
(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78
and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). EH40/2005 Workplace exposure limits. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

808-0021 2K HAMMER EFFECT PEARL VARNISH

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. EC ₅₀ : 50% of maximal Effective Concentration. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). ATE: Acute Toxicity Estimate. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Key literature references and sources for data	This SDS is prepared based on the information received from the product raw material. Source: European Chemicals Agency, http://echa.europa.eu/
Revision comments	This is the first issue.
Issued by	Bahadır AKDAS - arge@kubilayboya.com
Revision date	01/12/2021
Revision	00
Supersedes date	01/12/2021
SDS number	20564
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.