

SAFETY DATA SHEET 215-XX37 PU NON-SCRATCHED (3+1) VARNISH, VARIOUS MATTING

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 215-XX37 PU NON-SCRATCHED (3+1) VARNISH, VARIOUS MATTING

Chemical name POLYURETHANE CLEAR TOPCOAT, POLIOL OF 2PACK POLIURETHANE SYSTEM

Product number 215-XX37

Internal identification 215-0637, 215-1037, 215-1537, 215-2537, 215-3037, 215-4537, 215-5537, 215-6537

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

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(Certificate No:GBF01.28.10)

Manufacturer KUBILAY KIMYA VE BOYA SAN.TIC.LTD.STI.

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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 Eye Irrit. 2 - H319 Repr. 2 - H361 STOT SE 3 - H336

Environmental hazards Not Classified

Human health Vapours and spray/mists in high concentrations are narcotic. Symptoms following

overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

2.2. Label elements

Hazard pictograms







Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P243 Take action to prevent static discharges.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

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. P501 Dispose of contents/ container in accordance with national regulations.

Contains n-butyl acetate, Acetone, Toluene

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

Xylene	20-25%
Aylone	20 20 70

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

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n-butyl acetate 10-20%

CAS number: 123-86-4 EC number: 204-658-1

Classification

Flam. Liq. 3 - H226 STOT SE 3 - H336

Acetone 10-20%

CAS number: 67-64-1 EC number: 200-662-2

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336

Toluene 5-10%

CAS number: 108-88-3 EC number: 203-625-9

Classification

Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361 STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

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.

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 Take off immediately all contaminated clothing and wash it before reuse. Rinse immediately

with plenty of water. Get medical attention promptly if symptoms occur after washing.

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.

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Ingestion May cause stomach pain or vomiting.

Skin contact Slightly irritating.

Eye contact Redness. Slightly irritating.

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

Notes for the doctor No specific recommendations.

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 Thermal decomposition or combustion products may include the following substances: 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. Avoid breathing fire gases or vapours. Fight fire from safe distance or protected location. Risk of reignition after fire has been extinguished.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use air-supplied respirator, gloves and protective goggles.

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. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin

and eyes. Do not touch or walk into spilled material.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Inform the relevant authorities

if environmental pollution occurs (sewers, waterways, soil or air). Environmental Manager

must be informed of all major spillages.

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. Absorb in vermiculite, dry sand or earth and place into containers. Place waste in labelled, sealed containers. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13. Clean contaminated objects and areas thoroughly, observing environmental regulations.

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

7.1. Precautions for safe handling

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Usage precautions Keep away from heat, sparks and open flame. Avoid inhalation of vapours and contact with

skin and eyes. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

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. Protect from sunlight.

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

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)

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

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

Toluene

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m3(Sk) Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m3(Sk)

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

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

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

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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

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

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

Toluene (CAS: 108-88-3)

DNEL Industry - Inhalation; Short term systemic effects: 384 mg/m³

Consumer - Inhalation; Short term systemic effects: 226 mg/m³ Workers - Dermal; Long term systemic effects: 384 mg/kg/day Consumer - Dermal; Long term systemic effects: 226 mg/kg Workers - Oral; Long term systemic effects: 192 mg/kg Consumer - Oral; Long term systemic effects: 8,13 mg/kg

PNEC Fresh water; 0,68 mg/l

marine water; 0,68 mg/l

Water, Intermittent release; 0,68 mg/kg Sediment (Marinewater); 16,39 mg/kg

STP; 13,61 mg/l

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. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. 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 skin contact. Wear apron or protective

clothing in case of contact.

Hygiene measures

Provide eyewash station. 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. Do not eat, drink or smoke when using this product.

Wear a respirator fitted with the following cartridge: Organic vapour filter. Gas and

combination filter cartridges should comply with European Standard EN14387. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European

Standard EN140.

Environmental exposure

Respiratory protection

controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Slightly viscous liquid.

Colour Transperant - Yellowish

Odour Characteristic.

Odour threshold No information available.

Melting point No information available.

Initial boiling point and range >35°C @ 760 mm Hg

Flash point <23°C

Flammability (solid, gas) No information available.

explosive limits

Upper/lower flammability or

No information available.

Vapour pressureNo information available.Vapour densityNo information available.

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Relative density No information available.

Bulk density $1 \pm 0.05 \text{ g/cm}3, 20^{\circ}\text{C}$

Solubility(ies) Insoluble in water.

Partition coefficientNo information available.Auto-ignition temperatureNo information available.Decomposition TemperatureNo information available.

Explosive propertiesThere 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

Viscosity

Other information Not available.

Volatile organic compound This product contains a maximum VOC content of 500 g/l.

80 - 120 sec, D4/20 @ °C

Un-volatile content(%) 35-36

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical 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 Strong oxides.

10.6. Hazardous decomposition products

Hazardous decomposition Thermal decomposition or combustion products may include the following substances: Oxides

products of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 5,085.29

Acute toxicity - inhalation

ATE inhalation (gases ppm) 20,803.48

ATE inhalation (vapours mg/l) 50.85

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ATE inhalation (dusts/mists

mg/l)

6.93

Skin corrosion/irritation

Skin corrosion/irritation Slightly irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Not available. Genotoxicity - in vivo Not available.

Carcinogenicity

Carcinogenicity Not available.

Reproductive toxicity

Reproductive toxicity - fertility Not available. Reproductive toxicity -

development

Not available.

Specific target organ toxicity - single exposure STOT - single exposure Not available.

Specific target organ toxicity - repeated exposure STOT - repeated exposure Not available.

Aspiration hazard

Based on available data the classification criteria are not met. **Aspiration hazard**

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.

Eye contact Symptoms following overexposure may include the following: Redness. Pain. Slightly irritating.

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.

12.1. Toxicity

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

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 No information required.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site

in accordance with the requirements of the local Waste Disposal Authority.

Disposal methodsDispose 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

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group

ICAO packing group

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 Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

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.

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

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.

EC₅₀: 50% of maximal Effective Concentration.

LC₅o: Lethal Concentration to 50 % of a test population.

LD₅o: 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 11/05/2020

Revision 00

Supersedes date 11/05/2020

SDS number 20471

Hazard statements in full H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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.

H361 Suspected of damaging fertility or the unborn child.

H361 Suspected of damaging fertility or the unborn child if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

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.