Safety Data Sheet (SDS) Tubby Coating/ TUB1

According to ISO &SANS 11014:2010
Revision Date: 30 July 2018

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: TUBBY COATING /Tubby Toner

Additional information: TUB1

Relevant identification uses of the substance and uses advised against:

Identified uses: Paint product part of 2 pack.

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Mend A Bath International (Pty) Ltd
PO Box 34193, Newton Park, 6055
Port Elizabeth, South Africa
Tel.: +27 41 3978200
E-mail: information@mendabath.com

Emergency telephone numbers: +27 41 3978200 or +27 82 656 4466

Available outside office hours? Yes

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Flammable liquids (Category 3)	H226
Skin irritation (Category 2)	H315
Skin sensitisation (Category 1)	H317
Eye irritation (Category 2)	H319

For the full text of the H-Statements mentioned in this Section, see Section 16

The most important adverse effects

The most important adverse physiochemical effects: Flammable liquid and vapour.

The most important adverse human health effects: Causes skin, eye irritation and allergic skin reactions.

Label elements

Hazard pictograms:

Signal Word: DANGER

Hazard Statements: H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

Precautionary Statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe mist/ vapours/ spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P240 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTRE or doctor if you are concerned.

Special labelling of certain mixtures:

Other hazards: None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC)	CAS –No. EC-No.	Concentration % by weight	Classification EC1272/2008
Poly (Bisphenol A-co-epichlorohydrin), glycidyl end-capped	25036-25-3 607-500-3	20-30%	Skin irritant (Category 2) H315. Skin sensitization (Category 1) H317. Eye irritation (Category 2) H319.
Xylene	1330-20-7 601-022-00-9	14-16%	Flammable liquid (Category 3) H226. Acute toxicity dermal (Category 4) H312. Acute toxicity inhalation (Category 4) H332. Skin irritation (Category 2) H315.
2 Butoxyethanol	111-76-2 203-905-0	10-15%	Acute toxicity oral, dermal, inhalation (Category 4) H302+H312+H332. Skin irritation (Category 2) H315. Eye irritation (Category 2) H319.
Ethyl acetate	141-78-6 607-022-00-5	8-10%	Flammable liquid (Category 2) H225. Eye irritation (Category 2) H319. STOT SE 3 H336.
Amyl acetate	628-63-7 211-047-3	3-5%	Flammable liquid (Category 3) H226.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8. For the full text of the H-Statements in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of skin contact: Remove contaminated clothing; wash affected area immediately with soap and water for 15 minutes. In case of discomfort seek medical attention immediately.

In case of eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical advice if symptoms persist.

In case of ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms persist.

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed:

Inhalation: May cause respiratory irritation, dizziness and/or drowsiness if inhaled.

Ingestions: May be harmful if swallowed.

Skin contact: May cause irritation and may cause dermatitis.

Eye contact: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media: Use an extinguishing agent suitable for the surrounding fire: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Water jets or high-pressure water jets.

Special hazards arising from the mixture:

Toxic fumes and carbon oxides.

Advice for fire-fighters:

Evacuate area, wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

For non-emergency personnel: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation and contact with skin or eyes.

For emergency responders: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation and contact with skin. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods for containment and cleaning up:

For small spills Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite or diatomaceous earth.

For large spills: Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

None known.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Use adequate protective equipment to avoid direct contact of product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL):

n-Amyl acetate, TWA OEL-RL 100 ppm, 530 mg/m^3, STEL OEL-RL 150 ppm, 800 mg/m^3

Ethyl acetate, TWA OEL-RL 400 ppm, 1400 mg/m^3,

Xylene, TWA OEL-RL 100 ppm, 435 mg/m^3, STEL OEL-RL 150 ppm, 650 mg/m^3, SK- Skin absorption

2-Butoxyethanol, TWA OEL-CL 25 ppm, 120 mg/m^3, Sk- Skin absorption

Biological exposure indices (BEI):

Xylene, methylhippuric acid in urine, 1.5 g/g creatine end of shift, 2mg/min last four hours of shift.

Additional exposure limits under the conditions of use: None Known.

Exposure control:

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Use safety glasses (with side shields). If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include: Butyl rubber, Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride

Body protection: Wear appropriate clothing for task or operation. Keep working clothes separately.

Respiratory protection: Respiratory protection should be worn when using this product and if there is a potential to exceed the exposure limit requirements or guidelines, always use an approved air-purifying respirator.

Environmental exposure controls: Prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form): Viscous liquid**.**

Colour: Colourless.

Odour: Aromatic solvent.

Odour threshold: Not tested.

pH (at concentration): Not tested.

Melting point/range (°C): Not tested.

Boiling point/range (°C): Not tested.

Flash point (°C): ≥ 23 °C- ≤60 °C (Category 3, estimated value based on ingredients).

Evaporation rate: Not tested.

Flammability (solid, gas): Not applicable flammable liquid.

Ignition temperature (°C): Not tested.

Upper/lower flammability/explosive limits: for xylene Upper explosion limit 7% (v), lower explosive limit 1.1% (v).

Vapour pressure (20°C): for **xylene** 24 hPa.

Vapour density: Not tested.

Relative density (25°C): for **xylene** 0.86 g/ml.

Water solubility (g/l) at 20°C: Not tested.

n-Octanol/Water partition coefficient: Not tested.

Auto-ignition temperature: Not tested.

Decomposition temperature: Not tested.

Viscosity, dynamic (mPa s): F6 16/20s

Physical hazards:

Flammable liquid.

Other information:

Fat solubility (solvent-oil to be specified): Not tested.

Bulk density: Not tested.

Dissociation constant in water (p Ka): Not tested.

Oxidation-reduction potential: Not tested.

SECTION 10. STABILITY AND RELIABILITY

Reactivity:

Stable under normal conditions no reaction with fire-fighting water.

Chemical stability:

Thermally stable at recommended temperatures and pressures.

Possibility of hazardous reactions:

Polymerization will not occur.

Conditions to avoid:

Heat, flames and sparks.

Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible materials:

Avoid contact with acids, alkalis and hydrocarbon solvents.

Hazardous decomposition products:

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: aldehydes, alcohols and ethers.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxic kinetics, metabolism and distribution:

Non-human toxicological data: No data available.

Method: No data available

Dosage: No data available

Routes of administration: No data available.

Results: No data available

Absorption: No data available

Distribution: No data available

Metabolism: No data available

Excretion: No data available

Information on toxicological effects:

Acute toxicity:

Amyl acetate:

Oral LD_{50} for rat 6500 mg/kg, for rabbit 7400 mg/kg.

Dermal LD_{50} for rabbit > 180 000 mg/kg.

Ethyl acetate:

Oral LD_{50} for rat 5620 mg/kg.

Dermal LD_{50} for rabbit > 180 000 mg/kg.

Inhalation LC_{50} (2 h) for mouse 45 000 mg/m^3.

2 butoxyethanol

Acute toxicity oral LD_{50} for rat (male) 880 mg/kg.

Dermal LD_{50} for rabbit (male) 1060 mg/kg.

Skin corrosion/irritation:

2 butoxyethanol

Skin irritation for rabbit (20 h).

Eye damage/eye irritation:

2 butoxyethanol

Eye irritation for rabbit.

Respiratory or skin sensitization:

2 butoxyethanol

Does not cause skin sensitization guinea pig.

Germ cell mutagenicity:

2 butoxyethanol

Hamster, ovary negative result.

Carcinogenicity: IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethyl benzene as found in xylene)).

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene).

Reproductive toxicity:

2 butoxyethanol

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Additional information: Central nervous system depression, Drowsiness, narcosis, anaemia Kidney - Irregularities - Based on Human Evidence for Ethyl acetate.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

Amyl acetate

Fish: LC_{50} (96 h) for *Gambusia affinis* (Mosquito fish) 65 mg/l.

Ethyl acetate:

Fish: LC_{50} (96 h) for *Oncorhynchus mykiss* (rainbow trout) 350,00 - 600,00 mg/l, *Pimephales promelas* (Fathead minnow) 220.00 – 250.00 mg/l.

Toxicity to daphnia and other aquatic invertebrates: EC_{50} (24 h) for *Daphnia magna* (Water flea) 2300 - 3090 mg/l, LC_{50} (48 h) 560 mg/l.

Toxicity to algae: EC_{50} (24 h) for algae 4 300 mg/l, EC_{50} (72 h) for S*elenastrum* 1800 - 3200 mg/l.

2 butoxyethanol

Fish: LC_{50} static test (96 h) Oncorhynynchus mykiss (rainbow trout) 1474 mg/l.

Daphnia: Immobilization EC_{50} (48 h) Daphnia magna 1 550 mg/l

Algae: Growth inhibition EC_{50} (72 h) Pseudokirchneriella subcapitata (green algae) 1840 mg/l.

Persistence and degradability:

2 butoxyethanol

90.4 % biodegradable. Ratio BOD/ThBOD 88%.

Bioaccumulative potential:

No data available.

Mobility in soil

No data available.

Results of PBT& vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects:

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

Product/ packaging disposal:

Exercise caution in disposal of used containers. Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	1263	1263	1263
UN Proper shipping name:	PAINT	PAINT	PAINT
Transport hazard class:	3	3	3
Packaging group:	III	III	III
Marine pollutant:	No	No	No
Special precautions for user:	None	None	None
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not known	Not known	Not known

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH)

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996). SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes. National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

GHS aligned and rechecked.

Relevant classification and H statements (number and full text):

STOT SE 3: Specific Target Organ Toxicity single exposure. (Category 3).

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause respiratory drowsiness or dizziness.

Training instructions:

Special training not required, use as instructed.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.