

SAFETY DATA SHEET
PRODUCT: POLYURETHANE TOP COAT

DATE: 23/09/17
VERSION: 1.0

1. PRODUCT IDENTIFICATION /DESCRIPTION

Product name: Polyurethane Top Coat
Chemical name: Paint

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	CONCENTRATION	RISK PHRASES
BUTYL ACETATE	123-86-4	5-8%	R36/38,43,51,53
POLYHYDROXYL ACRYLATE	103597-45-1	60-65%	R10,R20/21/22
XYLENE	1330-20-7	5-8%	R10,R20/21/22

3. HAZARD IDENTIFICATION OF THE PRODUCT

Flammable.
Skin Irritation: Overexposure to skin is harmful.
Eye Irritation: Overexposure to eyes may cause irritation.
Ingestion: Oral toxicity is low .No hazard is expected from normal industrial exposure.
Inhalation: Exposure to vapour at elevated temperature may cause irritation to respiratory tracts.

4. FIRST-AID MEASURES

Eyes contact: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes).
Contact an ophthalmologist.
Skin contact: Remove all contaminated clothes and foot wears immediately unless stuck to skin.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Consult a doctor in the event of a skin reaction.
Ingestion: DO NOT induce the patient to vomit if conscious.
Wash out mouth with water.
Drink water in small sips (Diluting effect) .
Medical advice is required.
Inhalation: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing medical advice is required.
Other: General advice: take off all contaminated clothing immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide (CO₂), Foam, extinguishing powder or water spray to cool containers.
Fire Fighting Procedures: During fire-fighting respirator with independent air supply and airtight garment is required.

Explosion Hazard: Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Spillage: Do not allow to escape to drains, surface water, ground water and soil.

Waste Disposal Methods: Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).
After approximately one hour, transfer to waste container and do not seal (CO² evolution).
Keep damp in a safe ventilated area for several days.

7. STORAGE AND HANDLING PRECAUTIONS

Handling: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden. Do not breathe vapour. Avoid contact with skin and eyes.

Storage: Keep container dry and tightly closed in a cool and well-ventilated place. Ensure lighting and electrical equipment is not a source of ignition.

WARNING: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Respiratory protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Hand protection: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.

Eye protection: Wear safety goggles.

Other Protective Equipment: Wear suitable protective clothing for skin and body protection.

Hygiene: Keep away from foodstuffs, drinks, and tobacco.
Wash hands before breaks and at the end of workday.
Keep working clothes separately.
Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous Liquid
Specific gravity: 0.9-1.0 Kg/l
Solubility in water: Immiscible
Colour: Clear
Viscosity: 50 – 55 Krebs
Drying time: T.D: 1 Hour max
H.D: 6 Hours max
Theoretical coverage: 10 m²/lit
Volume solids: 40 - 42%

Thickness:	100 microns WFT to 42 microns DFT
Gloss level:	High Gloss /Matt
Mixing ratio:	5:1
Shelf life:	Up to 12 months

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Heat, sparks and open flame.
Hazardous polymerization:	Hazardous polymerization will not occur.
Incompatibilities:	Strong oxidizers

In event of combustion, oxides of carbon, nitrogen and sulfur will be formed.

11. TOXICOLOGICAL INFORMATION

Toxicological studies:	Result not available.
Information based on	Human beings: vapour acts as eye and respiratory tract irritant.
Experience:	Vapour can cause depression of the central nervous system (headache & sleep disturbance).

12. ECOLOGICAL INFORMATION

Mobility:	Readily absorbed into soil.
Degradability:	Biodegradable.
Other adverse effects:	Negligible eco toxicity.

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses. Wastes and empty containers should be disposed off in accordance with regulations under the control of pollution agency and environmental protection agency.

Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

14. OTHER INFORMATION

Risks Phrases

R10 Flammable

R20 Harmful by inhalation.

R36/37/38 irritant to eyes, respiratory system and sin.

R42/43 may cause sensitization by inhalation and skin contact

Safety Phrases

S28 After contact with skin wash immediately with plenty of soap and water.

S37/39 Wear suitable gloves and eye protection.

S61 Avoid release to the environment. Refer to instruction on safety data sheet.

15. SAFETY PRECAUTIONS

Company Disclaimer:

The information provided in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information is given without acceptance of liability for loss or damage attributed to reliance thereon as conditions of use lie outside our control. The 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, unless specified in the text.

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