



MATERIAL SAFETY DATA SHEET

Product Name : Beger Shield Super Gloss Enamel

Product Code : BN0001/05

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Version no.1

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product name: **Beger Shield Super Gloss Enamel**

Supplier: Beger Co., Ltd.

Address: 90, 92 Buntudthong Road, Rachatavee, Bangkok 10400 Thailand.

2. COMPOSITION / INFORMATION ON INGREDIENTS

No.	Description	UN No.	CAS.No.	Symbol	Weight (%)
1	Alkyd Resin	Not Listed	Not Listed	Xn, Xi	>30 – 40
2	Pigment/Extender	Not Listed	Not Listed	Xn, Xi	>20 - 30
3	White Spirit	Not Listed	064742-88-7	Xn, Xi	>30 - 50

Carcinogen: None.

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, I=No classification required, E=Explosive, O=Oxidizing, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Danger to the environment.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation: Slightly Irritation.

Skin Contact: Prolonged or repeated skin contact can cause slight skin irritation.

Eye Contact: Direct contact with material can cause slight irritation.

4. FIRST AID MEASURES

General Advice: Avoid contact with skin and eyes.

Inhalation: Move subject to fresh air.

Skin Contact: Wash affected skin areas thoroughly with soap water. Consult a physician if irritation persists.

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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5. FIRE FIGHTING MEASURES

Flash Point: 40 ± 2°C

Ignition Temperature: High Temperature.

Extinguishing Agents: Use extinguishing media appropriate for surrounding fire.

Extinguishing Media: Dry powder, Foam, Carbon dioxide, Water Spray.

Personal Protective Equipment: Wear self-contained breathing apparatus (pressure-demand MSHA-NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Measures: Avoid contacts with the skin and the eyes.

Environmental Precaution: Do not let product enter drains.

Procedures for Cleaning Up: Soak up immediately with inert absorbent material e.g. sand, earth. Transfer liquids and solid material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and source of ignition.
General industrial hygiene practice.

Storage: Keep containers tightly closed in a cool, well ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: An air-fed mask, or short periods of work, a combination of charcoal filter and particulate filter is recommended.

Hand Protection: Rubber or plastic gloves.

Eye Protection: Chemical splash goggles, face shield.

Skin and Body Protection: Light weight protective.

Hygiene Measure: Keep away from food, drink. Wash hands before breaks and at end of work.
Keep working clothes separate. Take off immediately all contaminated clothing.
General industrial hygiene practice.



HYGIENE PRACTICES: Good personal hygiene practices are required at all times when handling chemicals. These practices including, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially of contamination occurs.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Colour: According Catalog
Odour Characteristic: Specific
pH: Not Applicable
Flash Point: $40 \pm 2^{\circ}\text{C}$
Viscosity: 90 ± 5 KU at 25°C
Specific Gravity (Water = 1): 1.00 to 1.20
Solubility in Water: Insoluble in Water
Explosion Limits,
 Lower: n.d.a.
 Upper: n.d.a.
Vapour Pressure: n.d.a.

10. STABILITY AND REACTIVITY

Hazardous Decomposition Products:

No hazardous decomposition products when stored and handled correctly.

Hazardous Reactions:

Exothermic reaction with amines and alcohol; reacts slowly with water forming CO, in closed containers risk of bursting owing to increase of pressure.

11. TOXICOLOGICAL INFORMATION

Skin and mucous membrane compatibility, rabbit:

Skin 4 hours exposure – slightly irritant.

Eyes:

Non-Irritant (Tested according to OECD Guidelines No.404 and No.405).

Long term contact with skin:

Tanning and irritating effects are possible.

Over-exposure, especially during spraying operations without the necessary precautions, entails the risk of concentration – dependent irritating effects on eyes, nose throat, and respiratory tract.

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12. ECOLOGICAL INFORMATION

Do not allow escaping into water, wastewater or soil.

13. DISPOSAL CONSIDERATIONS

Waste form residues / unused products:

Solidify unexposed surplus and dispose of together with processed material as cured plastic waste – in accordance with local and national regulations.

Contaminated packing:

In accordance with local and national regulations.

14. TRANSPORT INFORMATION

US DAT Hazard Class: Non-Regulated.

Not dangerous cargo. Keep dry. Slightly smelling. Keep away from food – stuffs, acids and alkalis.

15. REGULATORY INFORMATION

The product is classified and labeled for supply in accordance with the EC directives (1999/45/EC).

Danger Symbol: Xn, Fo

Dangerous Class: Harmful Flammable.

Product Contains: White Spirit

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R11: Highly Flammable.

Labeling for Industrial Users:

S16: Keep away from sources of ignition – No Smoking.

S23: Do not breathe spray dust/solvent vapour.

S33: Take precautionary measures against static discharges.

S36/37: Wear suitable protective clothing and gloves.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.



National Regulations.



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16. OTHER INFORMATION

Restricted to Professional Users.

Full text of risk warnings for components listed in section 2.

- R10: Flammable.
- R11: Highly Flammable.
- R20: Harmful by Inhalation.
- R20/21: Harmful by Inhalation and in contact with skin.
- R38: Irritating to skin.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.

Recommended Use: Protective Coating.

Recommended Restrictions: Use only in well-ventilated area.

This information contain herein relates only to the specific material identified. The company believes than such information is accurate and reliable as of the date of this safety date sheet, but no representation, guaranty, expressed or implied, is made as to the accuracy, or completeness of the information.