



MATERIAL SAFETY DATA SHEET

ASTAR (012200)

EU Directive

Following has been prepared in accordance with "European directive (EU) 1907/2006/AT".

1. Company and Product Information

1.1. Product Information

Product Name: ASTAR Synthetic Primer
Description: Alkyd binder based synthetic primer

1.2. Company Information

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1.3. Emergency Phone No.

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2. Compositon/Information on Components

Name of Chemical	CAS No.	EINECS No	[%]	Classification
Toluol	108-88-3	203-625-9	< 3	Xn, F; R11, R20
White Spirit	64742-88-7	265-191-7	< 25	Xn, R10, R65

See Section 16 for definition of safety and risk clauses.

3. Possible Hazards

This product has been classified as hazardous in accordance to directive 1999/45/EEC and its amendments. Skin contact may cause sensitisation.

F Flammable Xn Hazardous

4. First Aid Measures

4.1. General: Consult medical advice in case symptoms are observed. Avoid oral intake if patient is unconscious.

4.2. Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Avoid oral intake. If unconscious, place in recovery position and seek medical advice.

4.3. Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.

4.4. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

4.5 Ingestion: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at a resting position. Do not induce vomiting.

5. Fire Fighting Procedures

5.1. XFire extinguishing media: Foam, carbon dioxide, dust, water mist may be used. (Use of pressurized water not recommended).

5.2. Recommendations: Burning will produce dense black smoke. Exposure to decomposed products may be hazardous to health. Protective equipment including self-contained breathing apparatus should be used. Unopened containers exposed to extreme heat must be cooled using water.



MATERIAL SAFETY DATA SHEET

6. Accidental Release Measures

6.1. XXPersonal precautions: Do not inhale. Observe personal precautions cited at sections 7 and 8. 6.2. Release or spilling: Contain and collect spillage with inert, absorbent material such as sand or earth. Dispose of in accordance with Local Regulations (see section 13). Do not release into drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and Storage

7.1. XXHandling: Keep container closed when not in use. Avoid contact with hands and eyes. Do not inhale vapor or spray mist. Refrain from eating, drinking and smoking in areas where this material is handled, stored or applied. Wash hands and face before eating, drinking and smoking.

Use appropriate personal protective equipment (see section 8).

7.2. Storage: Store in accordance with local official regulations. Must be kept in dry and well-ventilated place. Keep away from oxidising agents, strong alkalis and strong acids. Containers that have been opened must be carefully resealed and kept upright prevent leakage.

8. Exposure Controls/Personal Protection

XXExposure Controls / Personal Protection

Engineering Measures: Provide adequate ventilation.

Personal Precautions:

8.1. Respiratory system: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted certified respirator.

8.2. Hands: For prolonged or repeated handling use gloves (neoprene or nitrile). Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred. Producers may be consulted on the chemical and penetration resistance times before the selection of gloves.

8.3. Eyes: Use safety eyewear designed to protect against splash of liquids. (goggles)

9. Physical and Chemical Properties

Appearance: Liquid
Odor: Characteristic
Color: White
Density(20°C): 1,57 ±0,02 g/ml
Solubility (water): Insoluble
Boiling point: >150°C
Solid component: % 80 ± 1 (weight)
Viscosity (23 ± 2°C): 120 ± 5 KU
Flash point: 42°C
Explosion limits: Low: % 0.6 (volume)
High: % 8.0 (volume)
Vapor pressure: 10 mbar at 20°C

10. Stability and Reactivity

Overexposure causes adverse effects on the respiratory system, kidneys, liver and the central nervous system. Headaches, dizziness, fatigue and state of unconsciousness (rarely) may be observed as symptoms. Long and repeated contact will cause dryness of skin as well as penetration through skin. Direct contact with the eye causes reversible damage.

Oral LD 50(mg/kg; rat): Undetermined
Dermal LD 50 (mg/kg; rabbit): Undetermined
Inhalation LC 50(mg/kg; rat): Undetermined



MATERIAL SAFETY DATA SHEET

12. Ecological Information

Do not release into sewers, lakes or rivers.
 LC 50-96 hour-first(mg/l) Undetermined
 48 hour-EC50-Daphnia magna(mg/l): Undetermined
 IC50 72 hAlgae (mg/l): Undetermined
 COD value: Undetermined
 BOD5 value: Undetermined

13. Disposal Considerations

Dispose material and container in accordance with state and local regulations regarding pollution. Do not dispose together with household waste or dispose into sewer. Empty container should be handed in for recycling.

14. Transport Information

International transport regulations
 Proper shipping name
 UN Number
 Class
 Packing group
 Label
 Additional information
 ADR / RID:
 IMDG:
 IATA:

This product is not classified as dangerous according to international transport regulations (ADR/RID, IMDG/IMO and ICAO/IATA). Product is to be transported in accordance with national, ADR/RID, IMDG/IMO and ICAO/IATA regulations.

15. Regulatory Information

15.1. Hazard Symbols:

Xn Hazardous F Flammable

15.2. Risk Phrases:

R10 - Flammable.
 R20/21/22 R21/22 Harmful in contact with skin and if swallowed.

15.3. Safety Phrases:

S2 - Keep out of reach of children.
 S3/7/9 - Keep container tightly closed in a cool, well-ventilated place.
 S13 - Keep away from food, drink and animal feedingstuffs.
 S16 - Keep away from sources of ignition - No smoking.
 S23 - Do not breathe vapour/spray.
 S24/25 - Avoid contact with eyes or skin.
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S46 - If swallowed, seek medical advice immediately and show this container or label.
 S51 - Use only in well-ventilated areas.
 S56 - Dispose of this material and its container at hazardous or special waste collection point.

16. Other Information

Information contained in this sheet is in accordance with directive 93/112/EEC and has been based on the information available at this time from approved sources. In case of unsuitable conditions arising due to conditions not mentioned above, we make no warranty and assume no liability in connection with any use of this information.

Full descriptin of R-Phrases mentioned in Sections 2 and 3:

R10 Inflammable
 R11 Extremely flammable
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
 R65 Harmful: may cause lung damage if swallowed

About

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