

#100 COAT

(COMPONENT B)

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Safety Data Sheet

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Product name #100 COAT COMP. B

1.2 Identification of the Company

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For urgent inquiries refer to

2. Composition/Information on ingredients

Name	Concentr.(C)	Classification
POLYAMIDE RESIN BASED ON POLYETHYLENAMINE N° Cas 68410-23-1	17,3 <= C < 22,3	Xi R41
XYLENE MIXTURE N° Cas 1330-20-7 N° CE 215-535-7 N° Index 601-022-00-9	21,2 <= C < 26,2	R10 Xn R20/21 Xi R38
ETHYLBENZENE N° Cas 100-41-4 N° CE 202-849-4 N° Index 601-023-00-4	3,7 <= C < 5,7	F R11 Xn R20
BUTANOL N° Cas 71-36-3 N° CE 200-751-6 N° Index 603-004-00-6	25 <= C < 30	R10 R67 Xn R22 XiX i R37/38R41

The complete text of -R- phrases is specified in section 16.

3. Danger Identification

3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xn

Phrases R:
10-20/21/22-37/38-41

3.2 Danger Identification

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
RISK OF SERIOUS DAMAGE TO EYES.

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4. First-aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

Extinguishing measures: CO₂, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulation jacket and trousers, with bands around the arms, legs and waist.

6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with absorbent material. Collect the spilt material and discard the remainder spraying water, if not contraindicated (see section 10). For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures, refer to the other sections of this sheet.

Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law. The product can be separated from the effluents with oil separators.

7. Handling and storage

Store in a well ventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

8. Exposure controls/personal protection.

ETHYLBENZENE

- TLV TWA	434	mg/m ³	ACGIH
- TLV STEL	543	mg/m ³	ACGIH

BUTANOL

- TLV TWA	150	mg/m ³	NIOSH
- TLV CEILING	152	mg/m ³	ACGIH

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Colour	Straw-coloured
Odour	typical
Physical state	liquid
Solubility	insoluble
Viscosity	N.A.
Vapour density	N.A.
Evaporation speed	N.A.
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.

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Flash point	> 21°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,000Kg/l

10. Stability and reactivity

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

Ethylbenzene: it reacts violently with strong oxidizing agents and attacks different types of plastic material. It is readily biodegradable in water.

Butyl alcohol is biodegradable (MITI1984). The mixture reacts with strong oxidizing agents and with alkaline metals releasing flammable hydrogen. It attacks different types of plastic materials.

11. Toxicological information

Acute effects: inhalation, skin absorption and ingestion of this product are harmful. This product may irritate mucosa, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea, etc.).

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Ethylbenzene, like the benzene homologues, may exert an effect on the CNS with depression, narcosis often preceded by dizziness and accompanied by headache (Ispesl). It is irritating to the skin, conjunctivae and respiratory apparatus.

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original containers or in containers made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR:	3,III	UN:1263
Label:	3	
Nr. Kemler:	30	
Proper Shipping Name:	Paint or paint related material	

Carriage by sea (shipping):

IMO class:	3	UN:1263
Packing Group:	III	
EMS:	3-05	
Proper Shipping Name:	Paint or paint related material	

Transport by air:

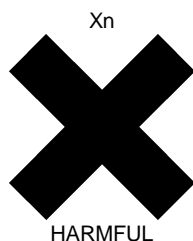
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IATA:	3	UN:1263	
Packing Group:	III		
Label:	3		
Cargo:			
Packaging instructions:	310	Maximum quantity:	220 L
Pass.:			
Packaging instructions:	309	Maximum quantity:	60 L

15. Regulatory information



R10	FLAMMABLE.
R20/21/22	HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R37/38	IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
S 2	KEEP OUT OF THE REACH OF CHILDREN.
S 7/ 9	KEEP CONTAINER TIGHTLY CLOSED AND IN A WELL-VENTILATED PLACE.
S23	DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY (APPROPRIATE WORDING TO BE SPECIFIED BY THE MANUFACTURER).
S36/39	WEAR SUITABLE PROTECTIVE CLOTHING AND EYE/FACE PROTECTION.
S46	IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.
S51	USE ONLY IN WELL-VENTILATED AREAS.

Contains:
XYLENE MIXTURE
BUTANOL

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. Further information

Text of -R- phrases quoted in section 2 of the sheet.

R10	FLAMMABLE.
R11	HIGHLY FLAMMABLE.
R20	HARMFUL BY INHALATION.
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R22	HARMFUL IF SWALLOWED.
R37/38	IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
R38	IRRITATING TO SKIN.
R41	RISK OF SERIOUS DAMAGE TO EYES.
R67	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.