

Safety Data Sheet

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Product name TEP COMP. B

1.2 Identification of the Company

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2. Composition/Information on ingredients

Name	Concentr.(C)	Classification
NONYLPHENOL N°CE 246-672-0	6,1 <= C < 9,2	C R34 N R50
2-PIPERAZINE-1-ILETHYLAMINE N°Cas 140-31-8 N°CE 205-411-0 N°Index 612-105-00-4	6,1 <= C < 9,2	C R34 Xn R21/22 Xi R37 Xi R43 Xn R22
2,4,6-TRI(DIMETHYLAMINEMETHYL)PHENOL	0,4 <= C < 2,5	Xi R36/38 C R34 Xn R21/22 Xi R43 T R45 Carc. Cat. 2
2,2'-IMINODIETHYLAMINE N°Cas 111-40-0 N°CE 203-865-4	1,8 <= C < 3,8	
CTC 15 P30 (TAR) N°Cas 65996-93-2 N°CE 266-028-2 N°Index 648-055-00-5	45 <= C < 70,1	

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: T

Phrases R: 34-37-43-45

3.2 Danger Identification

CAUSES BURNS.
IRRITATING TO RESPIRATORY SYSTEM.
MAY CAUSE SENSITIZATION BY SKIN CONTACT.
MAY CAUSE CANCER.

4. First-aid measures

Eyes: Wash immediately with plenty of water for at least 15 minutes and seek medical advice at once.

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Skin: Immediately take off all contaminated clothing and have a shower. Consult a doctor immediately.
Ingestion: Have the patient drink water as much as possible and seek medical advice immediately. Do not induce vomiting before consulting a doctor.
Inhalation: Immediately seek medical advice. In the meantime, remove the patient to the fresh air, far from the contaminated premises; if respiration stops or is difficult, give an artificial

5. Fire-fighting measures

N-AMINOETHYLPIPERAZINE

Use common means of extinguishing: water spray, co2, foam, dry dust. Avoid abundant jets of water.

Burning causes unpleasant and toxic smoke: carbonic oxide, nitrogen oxide.

PROTECTION SYSTEM: wear autonomous respirator and protective clothes.

6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated.

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.

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.

2,2'-IMINODIETHYLAMINE

- TLV TWA 4,2 mg/m3 ACGIH

Against corrosive properties of the product and according to the type of working, suitable protection equipment should be worn. Such as: an helmet to protect the face, the head and the neck, waterproof gloves and overalls, resistant to the product.

Do not eat, drink or smoke while handling it; wash carefully with soap and water before meals and after work shift; a shower is recommended.

9. Physical and chemical properties

Colour	pigmented
Odour	Solvent-like
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.
Flash point	> 61°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,000Kg/l

10. Stability and reactivity

Thermal decomposition and combustion release carbon monoxides and other toxic gases and vapours. The product may react exothermically on contact with strong oxidizing agents or reducers, strong acids or bases.

2,4,6-TRI(DIMETHYLAMINEMETHYL)PHENOL

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: 8,II UN:1760
Label: 8
Nr. Kemler: 80
Proper Shipping Name: Corrosive liquid, n.o.s. (2-Piperazine-1-ilethylamine)

Carriage by sea (shipping):

IMO class: 8 UN:1760
Packing Group: II
EMS: 8-15
Proper Shipping Name: Corrosive liquid, n.o.s. (2-Piperazin-1-iletilammina)

Transport by air:

IATA: 8 UN:1760
Packing Group: II
Label: 8
Cargo:
Packaging instructions: 812 Maximum quantity: 30 L
Pass.:
Packaging instructions: 808 Maximum quantity: 1 L

15. Regulatory information



R34	CAUSES BURNS.
R37	IRRITATING TO RESPIRATORY SYSTEM.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R45	MAY CAUSE CANCER.
S 1/ 2	KEEP LOCKED UP AND OUT OF THE REACH OF CHILDREN.
S23	DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY (APPROPRIATE WORDING TO BE SPECIFIED BY THE MANUFACTURER).
S24	AVOID CONTACT WITH SKIN.
S39	WEAR EYE/FACE PROTECTION.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S53	AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

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To be used only by professional users. Attention – Avoid exposure – Get hold of special instructions before use.

Contains:

NONYLPHENOL
2-Piperazine-1-ylethylamine
2,2'-IMINODIETHYLAMINE
CTC 15 P30 (TAR)

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

Workers exposed to this health-dangerous chemical agent must undergo sanitary checks carried out in compliance with 90/394/CEE, 97/42/CE, and 98/38/CE regulations.

16. Further information

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

R21/22	HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
R22	HARMFUL IF SWALLOWED.
R34	CAUSES BURNS.
R36/38	IRRITATING TO EYES AND SKIN.
R37	IRRITATING TO RESPIRATORY SYSTEM.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R45	MAY CAUSE CANCER.
R50	VERY TOXIC TO AQUATIC ORGANISMS.

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;

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.