Safety Data Sheet

1. Identification of the preparation and the Company

1.1 Identification of the preparation

TEP COMP. B

1.2 Identification of the Company

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2. Composition/Information on ingredients

Name	Concentr.(C)	Cla	ssification
NONYLPHENOL	6,1 <= C < 9,2	С	R34
N° CE 246-672-0		Ν	R50
2-PIPERAZINE-1-ILETHYLAMINE	6,1 <= C < 9,2	С	R34
N° Cas 140-31-8		Xn	R21/22
N° CE 205-411-0		Xi	R37
N° Index 612-105-00-4		Xi	R43
2,4,6-TRI(DIMETHYLAMINEMETHYL)PHENOL	0,4 <= C < 2,5	Xn	R22
		Xi	R36/38
2,2'-IMINODIETHYLAMINE	1,8 <= C < 3,8	С	R34
N° Cas 111-40-0		Xn	R21/22
N° CE 203-865-4		Xi	R43
CTC 15 P30 (TAR)	45 <= C < 70,1	Т	R45
N° Cas 65996-93-2 N° CE 266-028-2			Carc. Cat. 2
N° Index 648-055-00-5			

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:

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.

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4. First-aid measures

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



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 Odour Physical State Solubility Viscosity Vapour density Evaporation speed Comburent properties Partition coefficient: n-octanol/water pH Boiling point Flash point Explosive properties Vapour pressure Specific gravity	pigmented Solvent-like liquid Insoluble N.A. N.A. N.A. N.A. N.A. N.A. S 61°C N.A. N.A. N.A. N.A. N.A. N.A. N.A. N.A
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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

TEP (COMPONENT B)

May generate flammable gases in contact with elementary metals (alkali and alkaline earth), strong reducing agents. May generate toxic gases in contact with oxidant mineral acids, halogenate organic substances, peroxides and organic hydroperoxides, strong oxidation agents. May flame in contact with strong oxidation agents. May generate NOx and CO vapours for thermal decomposition.

CTC 15 P30 (tar)

DANGEROUS SUBSTANCES: aromatic hydrocarbons with organic compounds O-, N-, S-. The product contains polycyclic (benzo-a-pyrene) aromatic hydrocarbons and small quantities (<0,1 % m/m) acids of fossil carbon tar.

11. Toxicological information

This product is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vescicles appear, which cause strong sting and pain. Upon contact with eyes, it may cause serious harm such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. If swallowed, it may cause mouth, throat and oesophagus burns; sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia, perforation of the gastro-intestinal tract.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Skin lesions may include erythema, edema, papules, vescicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Scurfy skin, dryness, ulcerations and skin thickening prevail during the acute phase.

This product should be considered carcinogenic for humans. Currently available data suggest that human exposure to the substance contained in this product may give rise to cancer development.

N-AMINOETHYLPIPERAZINE

Acute oral toxicity : LD50 rat doses: appr.1,900mg/kg Irritating to eyes: corrosive to rabbit Irritating to skin: corrosive to rabbit skin Sensitisation: causes sensitisation to guinea pig skin 2,4,6-TRI(DIMETHYLAMINEMETHYL)PHENOL LD50 (RAT) ORAL:1200mg/kg LD50(RAT) SKIN: 1280 mg/kg CTC 15 P30 (tar) The product is irritating to eves and mucous membranes. Vapou

The product is irritating to eyes and mucous membranes. Vapour's inhalation may cause headache, in the most critical cases unconsciousness. Long contact with skin may cause irritation, especially under direct sunlight. The product contains polycyclic aromatic hydrocarbons with high boiling point, some of them are cancerogenics or responsible or mutagenic action.

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.

CTC 15 P30 (tar)

The product difficultly is biodegradable.

High concentrations are toxic for water-life.

TEP (COMPONENT B)

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: Label: Nr. Kemler: Proper Shipping Name: Carriage by sea (shipping):	8,II 8 80 Corrosi	UN:1760 ve liquid, n.o.s. (2-Piperazine-1-ilethylamine)
IMO class: Packing Group: EMS: Proper Shipping Name:	8 II 8-15 Corrosi	UN:1760 ve liquid, n.o.s. (2-Piperazin-1-iletilammina)
Transport by air: IATA: Packing Group: Label: Cargo: Packaging instructions: Pass.: Packaging instructions:	8 II 8 812 808	UN:1760 Maximum quantity: 30 L Maximum quantity: 1 L

15. Regulatory information



R34 R37 R43 R45 S 1/ 2 S23	CAUSES BURNS. IRRITATING TO RESPIRATORY SYSTEM. MAY CAUSE SENSITIZATION BY SKIN CONTACT. MAY CAUSE CANCER. KEEP LOCKED UP AND OUT OF THE REACH OF CHILDREN. DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY (APPROPRIATE WORDING TO BE SPECIFIED BY THE
S24 S39 S45	MANUFACTURER). AVOID CONTACT WITH SKIN. WEAR EYE/FACE PROTECTION. 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.



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

Contains: NONYLPHENOL 2-Piperazine-1-ilethylamine 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 SENSITIZATION 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 de 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.