

INJECTION 1 (COMPONENT B)

Revision nr. 1
Dated 09/09/2003
Printed on 09/29/2003
Page n.1 / 1

Safety Data Sheet

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Product name INJECTION 1 COMP. B

1.2 Identification of the Company

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2. Composition/Information on ingredients

Name	Concentr.(C)	Classification
3-Aminemethyl-3,5,5-Trimethylcyclohexamine N°Cas 2855-13-2 N°CE 220-666-8 N°Index 612-067-00-9	17,3 <= C < 22,3	C R34 Xn R21/22 Xi R37 Xi R43
NONYL PHENOL N°Cas 84852-15-3 N°CE 284-325-5 N°Index 601-053-00-8	17,3 <= C < 22,3	C R34 Xn R22 N R50/53
BENZYL ALCOHOL N°Cas 100-51-6 N°CE 202-859-9 N°Index 603-057-00-5	25 <= C < 30	Xn R20/22

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: C-N

Phrases R: 20/21/22-34-37-43-51/53

3.2 Danger Identification

Harmful by inhalation, in contact with skin and if swallowed.

Causes burns.

Irritating to respiratory system.

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

INJECTION 1

(COMPONENT B)

Revision nr. 1
Dated 09/09/2003
Printed on 09/29/2003
Page n.2 / 2

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

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

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.

8. Exposure controls/personal protection

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	Straw-coloured
Odour	Solvent-like
Physical State	liquid
Viscosity	N.A.
Vapour density	N.A.
Solubility	insoluble
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	0,950Kg/l

10. Stability and reactivity

The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

Benzyl alcohol: it reacts violently with strong oxidizing agents and may attack aluminium when heated.

11. Toxicological information

Acute effects: inhalation, cutaneous absorption and ingestion of this product are harmful. This product may irritate mucosas, 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.

INJECTION 1

(COMPONENT B)

Revision nr. 1
Dated 09/09/2003
Printed on 09/29/2003
Page n.3 / 3

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 is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vesicles 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. Cutaneous lesions may include erythemas, edemas, papules, vesicles, 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.

12. Ecological information

The product is to be considered environmentally dangerous and presents toxicity to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator: see at this regard art. 6 of CE 94/67 regulation. 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 in compliance with laws and regulations.

This standard is valid also for empty containers, after an accurate rinsing. Do never downflow into sewerage or surface and underground watercourses.

14. Transport informations

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 packings or in packings 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,III	UN:2735
Label:	8	
Nr. Kemler:	80	
Proper Shipping Name:	Corrosive liquid, n.o.s.	

Carriage by sea (shipping):

IMO class:	8	UN:2735
Packing Group:	III	
EMS:	8-15	
Marine Pollutant		
Proper Shipping Name:	Corrosive liquid, n.o.s.	

Transport by air:

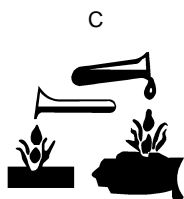
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Packing Group:	III		
Label:	8		
Cargo:			
Packaging instructions:	812	Maximum quantity:	30 L
Pass.:			
Packaging instructions:	808	Maximum quantity:	1 L

INJECTION 1

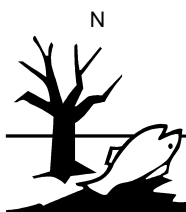
(COMPONENT B)

Revision nr. 1
Dated 09/09/2003
Printed on 09/29/2003
Page n.4 / 4

15. Regulatory information



CORROSIVE



DANGEROUS FOR THE ENVIRONMENT

R20/21/22	HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R34	CAUSES BURNS.
R37	IRRITATING TO RESPIRATORY SYSTEM.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
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).
S36/37/39	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S45	IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
S51	USE ONLY IN WELL-VENTILATED AREAS.
S60	THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF AS HAZARDOUS WASTE.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains:

3-Aminemethyl-3,5,5-Trimethylcyclohexamine
NONYL PHENOL
BENZYL ALCOHOL

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

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/CE regulation is respected.

16. Further information

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

R20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R21/22	HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
R22	HARMFUL IF SWALLOWED.
R34	CAUSES BURNS.
R37	IRRITATING TO RESPIRATORY SYSTEM.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R50/53	VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

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);

INJECTION 1

(COMPONENT B)

Revision nr. 1
Dated 09/09/2003
Printed on 09/29/2003
Page n.5 / 5

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.