



SAFETY DATA SHEET

NEUTRAL BOMAR

Revision n. 1

Dated 02/04/2008

Printed on 02/04/2008

Page n.1 / 3

1) MATERIAL/PREPARATION AND COMPANY

- 1.1 Product name** : NEUTRAL BOMAR
- 1.2 Use of the substance** : Pickling agent for welding. Use this product together with the electro-chemical systems CLINOX.
Only for professional users.
- 1.3 Company identification** : Nitty Gritty S.r.l.
Via dei Marmorari, 36 - 41057 Spilamberto (MO) – ITALY
Telephone +39 (0)59 785210 - Fax +39 (0)59 7861612
- 1.4 E-mail address SDS responsible** : info@nitty-gritty.it
- 1.5 Emergency telephone** : Nitty Gritty S.r.l. Telephone +39 (0)59 785210
- 1.6 Poison centers** : Italy → Niguarda Hospital (Milan) - ☎ +39 02 66101029
England → Guy's & Thomas' Hospital (London) - ☎ +44 20 7771 5310
France → F. Widal Hospital (Paris) - ☎ +33 1 40 05 48 48
Germany → Giftnotruf - Institut für Toxikologie (Berlin) - ☎ +49 30 19240
Spain → Instituto Nacional de Toxicologia (Madrid) - ☎ +34 91 562 04 20
Belgium → Antigifcentrum (Bruxelles) - ☎ +32 70 245 245
Netherlands → National Poison Control Centre (Bilthoven) - ☎ +31 30 274 88 88

2) HAZARDS IDENTIFICATION

The product does not present health or environmental hazards on account of its chemical, physical, toxicological and ecotoxicological properties.

3) COMPOSITION / INFORMATION ON INGREDIENTS

The product is not classified as hazardous pursuant to directives 67/548/EEC and 1999/45/EC and subsequent amendments and upgrades and does not contain substances classified as being hazardous to human health or the environment pursuant to 67/548/EEC and subsequent amendments.

4) FIRST AID MEASURES

No episodes of damage to health ascribable to the product have been reported. Nevertheless, observance of good industrial hygiene is recommended.

5) FIRE-FIGHTING MEASURES

- 5.1 General information:** use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.
- 5.2 Suitable extinguishing media:** the extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.
- 5.3 Extinguishing media which shall not be used for safety reasons:** None in particular.
- 5.4 Hazards caused by exposure in the event of fire:** Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).
- 5.5 Special protective equipment for fire-fighters:** Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurised mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of foam.

6) ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** use breathing equipment if fumes or powders are released into the air.
- 6.2 Environmental precautions:** the product must not penetrate the sewers, surface water, ground water and neighbouring areas.
- 6.3 Methods for cleaning up:** confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.



SAFETY DATA SHEET

NEUTRAL BOMAR

Revision n. 1

Dated 02/04/2008

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Page n.2 / 3

7) HANDLING AND STORAGE

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks.

8) EXPOSURE CONTROL/INDIVIDUAL PROTECTION

8.1 Limit of individual exposition: not available.

8.2 Exposure controls:

8.2.1 Respiratory protection: If workplace maximum concentration thresholds are exceeded, wear a facemask covering the nose and mouth (see standard EN 141). For high concentrations in the workplace or in the case of an emergency, when exposure levels are unknown, wear an open circuit compressed air self-respirator (see standard EN 137) or an external air intake respirator with mask, partial mask or snorkel (see standard EN 138).

8.2.2 Hand protection: protect hands using work gloves (see standard EN 374). We recommend applying protective hand cream. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

8.2.3 Eye protection: wear sealed protective goggles with side shields (see standard EN 166).

8.2.4 Skin protection: wear overalls with long sleeves and professional safety footwear (see standard EN 344). Wash with soap and water after removing protective clothing. Wash clothing before reuse.

9) PHYSICAL AND CHEMICAL FEATURES

• Color:	blue
• Odor:	odorless
• Physical State:	liquid
• Vapor density:	N.A.
• Evaporation speed:	N.A.
• Comburent properties:	N.A.
• Partition coefficient: n-octanol/water	N.A.
• pH:	6-7
• Boiling point:	> 100°C
• Flash point:	> 60°C
• Explosive properties:	Not explosive
• Vapor pressure:	N.A.
• Specific gravity:	1,10 kg/l 20°C
• Solubility:	Soluble (20°C)

10) STABILITY AND REACTIVITY

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

11) TOXICOLOGICAL INFORMATION

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

12) ECOLOGICAL INFORMATION

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

13) DISPOSAL CONSIDERATION

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



SAFETY DATA SHEET
NEUTRAL BOMAR

Revision n. 1

Dated 02/04/2008

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Page n.3 / 3

14) TRANSPORT INFORMATION

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15) REGULATORY INFORMATION

Commercial name: Neutral Bomar
Symbol: none
Risk phrases (R): none
Risk sentences (S): none

This product is not subject to hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments.

16) OTHER INFORMATION

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament;
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.