



Safety Data Sheet

Primacord®

Version 1.03

Revision Date 14.03.2012

1. Identification of the substance/mixture and of the company/undertaking

Trade name	Primacord®	
Synonyms	Primacord® Detacord® E-Cord® SB Cord™ Zapcord™ Zapcord™ 40 Detonating Cord	
Company	Sasol Nitro P. O Box 1467 Brandbach Road Bronkhorstspuit, 1020 Republic of South Africa	
Information (Product safety)	Telephone: +27 13 933 6000 Fax: +27 13 933 3588 E-mail address msds.info@sasol.com	
Emergency telephone number	Europe, Israel, Africa, Americas Middle East, Arabic African countries Asia Pacific China South Africa Australia	+44 (0)1235 239 670 +44 (0)1235 239 671 +65 3158 1074 +86 10 5100 3039 +27 (0)17 610 4444 +61 2 9032 0460

2. Hazards identification

Identification of the risks

R 2 Risk of explosion by shock, friction, fire or other sources of ignition.

3. Composition/information on ingredients

Preparation on the base:

Pentaerythritol tetranitrate; P.E.T.N.

Contents: >= 33.00 - <= 64.00 %W/W

CAS-No. 78-11-5

Index-No. 603-035-00-5

EC-No. 201-084-3

Symbol(s) E

R-phrase(s) -R 3

For the full text of the R-phrases mentioned in this Section, see Section 16.



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4. First aid measures

General advice	<i>This is a packaged product that will not result in exposure to the explosive material under normal conditions of use.</i>
Inhalation	<i>No hazards which require special first aid measures.</i>
Skin contact	<i>No hazards which require special first aid measures.</i>
Eye contact	<i>No hazards which require special first aid measures.</i>
Ingestion	<i>No hazards which require special first aid measures.</i>

5. Firefighting measures

Suitable extinguishing media	<i>Do not fight fire., Evacuate personnel to safe areas.</i>
Specific hazards during firefighting	<i>Risk of explosion by shock, friction, fire or other sources of ignition</i>
Special protective equipment for firefighters	<i>When controlling fires before involvement of explosives, wear self-contained breathing apparatus and protective suit. When fire reaches material, evacuate and let it burn to completion.</i>

6. Accidental release measures

Personal precautions	<i>Risk of explosion by shock, friction, fire or other sources of ignition Evacuate personnel to safe areas.</i>
Environmental precautions	<i>Explosive properties</i>
Methods for cleaning up	<i>Sweep up and shovel into suitable containers for disposal. Use only non-sparking tools. Disposal and clean up may only be done by authorized personnel. Recommendation: Contact the supplier for information for assistance before clean up and disposal is attempted.</i>

7. Handling and storage

Handling

Safe handling advice	<i>Take measures to prevent the buildup of electrostatic charge. The danger areas must be delimited and identified using relevant warning and safety signs. Keep away from fire, sparks and heated surfaces.</i>
Advice on protection against fire and explosion	<i>Take measures to prevent the buildup of electrostatic charge. Keep away from sources of ignition - No smoking. Use non-sparking tools & equipment when applying product.</i>



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8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection No personal respiratory protective equipment normally required.

Hand protection No hand protection required under normal conditions.

Eye protection Safety glasses

Skin and body protection Lightweight protective clothing, Safety shoes or rubber boots

Hygiene measures Keep away from food, drink and animal feedingstuffs.

9. Physical and chemical properties

Form	Flexible woven cord of various colours filled with explosive powder (PETN).
State of matter	Solid
Colour	yellow red orange
Melting point/range	140 °C
Density	1.1 - 1.8 g/cm ³
Water solubility	Insoluble, Immiscible

10. Stability and reactivity

Materials to avoid Reducing agents, Metals, Alkali metals

Thermal decomposition Stable under normal conditions.

11. Toxicological information

Further information No data available

12. Ecological information

Ecotoxicity effects

Further information No data available



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13. Disposal considerations

Product	Dispose of as special waste in compliance to local, national and international regulations., Disposal and clean up may only be done by authorised personnel., Recommendation: Contact the supplier for information for assistance before clean up and disposal is attempted.
Contaminated packaging	Packaging that cannot be cleaned must be disposed of in the same way as the material itself.

14. Transport information

ADR	UN number: 0065; Class: 1.1; D; Description of the goods: CORD, DETONATING
RID	UN number: 0065; Class: 1.1; D; Description of the goods: CORD, DETONATING
ADNR	UN number: 0065; Class: 1.1; D; Description of the goods: CORD, DETONATING
IMDG	UN number: 0065; Class: 1.1; EmS: F-B, S-XD; ; Description of the goods: CORD, DETONATING
ICAO/IATA	UN number : 0065; Class: 1.1; Description of the goods: Cord, detonating

15. Regulatory information

Labelling



Regulatory base	1999/45/EC
Symbol(s)	E: Explosive
R-phrases(s)	R 2: Risk of explosion by shock, friction, fire or other sources of ignition.
S-phrases(s)	S35: This material and its container must be disposed of in a safe way. S41: In case of fire and/or explosion do not breathe fumes.



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Special labelling of certain mixtures

Restricted to professional users.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R 3 *Extreme risk of explosion by shock, friction, fire or other sources of ignition.*

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: F. SHAI

The MSDS was approved by: F. LABUSCHAGNE