



Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

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

Product identifier

Trade name

Primadet(R)

Synonyms

EZ Stoper®, Dual Stoper®, EZ Ringer®, LP Primadet®, EZ Platinum Trunkline™, Dual Det™, MS Primadet, EZ Trunkline™, EZ Det, NDT (Noiseless trunk line delay), Lead in Line(LIL), EZ Drifter, Noiseless Lead in Line

Relevant identified uses of the substance or mixture and uses advised against

Use

Mining and civil explosive detonator.

Manufacturer or supplier's details

Company

Sasol Chemicals, a division of Sasol South Africa Ltd

Address

Sasol Place, 50 Katherine Street
Sandton
2090
South Africa

Telephone

+27103445000

E-mail address

sasolchem.info.sa@sasol.com

Emergency telephone

+44 (0)1235 239 670 (Europe, Israel, Africa, Americas)
+44(0)1235 239 671 (Middle East, Arabic African countries)
+65 3158 1074 (Asia Pacific)
+86 400 120 6011 (China)
+27 (0)17 610 4444 (South Africa)
0800 112 890 RSA-Local only
+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification

Explosives

Division 1.1

Label elements

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

REGULATION (EC) No 1272/2008

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H201 Explosive; mass explosion hazard.

Precautionary Statements

Prevention

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

P240 Ground and bond container and receiving equipment.

P250 Do not subject to grinding/ shock/ friction.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P370 + P380 In case of fire: Evacuate area.

P372 Explosion risk in case of fire.

P373 DO NOT fight fire when fire reaches explosives.

Storage

P401 Store in accordance with local regulations.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

SECTION 3. Composition/information on ingredients

Mixture contained in a tube.

lead compounds

Contents: ≥ 29.00 - < 29.30 %W/W

CAS-No. 7439-92-1

Index-No. 082-001-00-6

EC-No. 231-100-4

Hazard Statements *H360Df H362*

barium chromate

Contents: ≥ 0.90 - < 2.90 %W/W

CAS-No. 10294-40-3

Index-No. 056-002-00-7

EC-No. 233-660-5

Lead compounds with the exception of those specified elsewhere in this Annex

Contents: < 2.80 %W/W

CAS-No. 1314-41-6

Index-No. 082-001-00-6

EC-No. 215-235-6

Hazard Statements *H302 H332 H360 H351 H372 H400 H410*

lead chromate

Contents: < 1.20 %W/W

CAS-No. 7758-97-6

Index-No. 082-004-00-2

EC-No. 231-846-0

Lead Diazide; Lead Azide

Contents: < 0.30 %W/W

CAS-No. 13424-46-9

Index-No. 082-003-00-7

EC-No. 236-542-1

Hazard Statements *H373 H200 H302 H332 H410 H360Df*



Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	No hazards which require special first aid measures. Not a likely route of exposure.
Skin contact	No hazards which require special first aid measures. Not a likely route of exposure.
Eye contact	No hazards which require special first aid measures. Not a likely route of exposure.
Ingestion	No hazards which require special first aid measures. Not a likely route of exposure.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Do not fight fire. Evacuate personnel to safe areas.
Special hazards arising from the substance or mixture	Risk of explosion by shock, friction, fire or other sources of ignition.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Risk of explosion by shock, friction, fire or other sources of ignition. Evacuate personnel to safe areas.
Environmental precautions	Explosive properties Prevent release into the environment
Methods for cleaning up	Closed units (shells) can be picked up by hand (with due precautionary measures taken, e.g. static grounding, no friction or impact, ambient temperatures) and placed in a

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

cardboard box for disposal. Broken open shells should only be handled by properly trained personnel as the hazard of explosion is severe in this case. Chemical neutralization and desensitizing or in situ destruction need to be done on the damaged shells. 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.

Reference to other sections Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice Take measures to prevent the build up 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. Explosive charge is unprotected - static discharge into the shell or impact (stabbing) into the shell may cause detonation!

Advice on protection against fire and explosion Take measures to prevent the build up of electrostatic charge. Keep away from sources of ignition - No smoking. Ground/bond container and receiving equipment - if the explosive is electrostatically sensitive.

Requirements for storage areas and containers Keep product dry to prevent copper shells and lead azide reacting to form sensitive copper azide

Advice on common storage No data available

SECTION 8. Exposure controls/personal protection

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

**Safety Data Sheet****Primadet(R)**

Version 1.00

Revision Date 04.05.2021

Components	Type	Control parameters	Update	Basis
Components	Type	Control parameters	Update	Basis
Lead	TWA	0.15 mg/m3	1995	South Africa RELs
ALUMINIUM METAL, RESPIRABLE DUST	TWA	5 mg/m3	1995	South Africa RELs
ALUMINIUM METAL, TOTAL INHALABLE DUST	TWA	10 mg/m3	1995	South Africa RELs
BARIUM SULPHATE, RESPIRABLE DUST	TWA	2 mg/m3	1995	South Africa RELs
Lead	TWA	0.15 mg/m3	1995	South Africa RELs
BARIUM SULPHATE, RESPIRABLE DUST	TWA	2 mg/m3	1995	South Africa RELs

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 Rubber or plastic boots
Hygiene measures	Keep away from food, drink and animal foodstuffs.

SECTION 9. Physical and chemical properties**Information on basic physical and chemical properties**

Form	Plastic rope with silver detonator shell or various coloured plastic connection devices on the end
State of matter	Solid
Color	orange with various coloured plastic connection devices
Odor Threshold	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available



SASOL

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

Autoignition temperature	May explode in Temperature > 100° C
Relative vapor density	No data available
Water solubility	Insoluble, Immiscible

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Impact, heat or flame may cause an explosion
Conditions to avoid	Keep away from combustible material. Heat, flames and sparks. Direct sources of heat.
Materials to avoid	Reducing agents. Combustible material Metals Organic materials
Hazardous decomposition products	Carbon monoxideCarbon dioxide.Nitrogen oxides (NOx)Lead oxides

SECTION 11. Toxicological information

Further Information	No toxicology information is available.
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SECTION 12. Ecological information

Other adverse effects	No information on ecology is available.
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SECTION 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.
Packaging	Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

SECTION 14. Transport information

DG Pictogram



ADR

UN number: 0360

Class: 1.1
B;

Proper shipping name: DETONATOR ASSEMBLIES, NON-ELECTRIC

RID

UN number: 0360

Class: 1.1
B

Proper shipping name: DETONATOR ASSEMBLIES, NON-ELECTRIC

ADNR

UN number: 0360

Class: 1.1
B

Proper shipping name: DETONATOR ASSEMBLIES, NON-ELECTRIC

IMDG

UN number: 0360

Class: 1.1
EmS: F-B, S-X
B;

Proper shipping name: DETONATOR ASSEMBLIES, NON-ELECTRIC

Marine pollutant: Not a Marine Pollutant

ICAO/IATA

UN number : 0360

Class: 1.1

Proper shipping name: DETONATOR ASSEMBLIES, NON-ELECTRIC



SASOL

Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

SECTION 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Inv. of Exist. Chem. Substances in China	All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)
Canadian Domestic Substances List (DSL)	All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)
Australian Inv. of Chem. Substances (AICS)	All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)
New Zealand Inventory of Chemicals (NZIoC)	All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)
Jap. Inv. of Exist. & New Chemicals (ENCS)	All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)
Japan. Industrial Safety & Health Law (ISHL)	All chemical constituents are listed in: Japan. Industrial Safety & Health Law (ISHL) (See chapter 3)
Korea. Existing Chemicals Inventory (KECI)	All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)
China Inv. Existing Chemical Substances (IECSC)	All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements

H200 Unstable explosive.

H302 Harmful if swallowed.



Safety Data Sheet

Primadet(R)

Version 1.00

Revision Date 04.05.2021

- H332 Harmful if inhaled.
- H351 Suspected of causing cancer.
- H360 May damage fertility or the unborn child.
- H360Df May damage the unborn child. Suspected of damaging fertility.
- H362 May cause harm to breast-fed children.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this 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 this 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 with respect to 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 this product.

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