



MATERIAL SAFETY DATA SHEET

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Identification:** SMART SNP MasterMix (Cod. SNP-D-xxx)
SNPD-034 Master Mix
SNPD-029 Master Mix
SNPD-030 Master Mix
SNPD-032 Master Mix
SNPD-033 Master Mix
- 1.2 Use of the preparation:** *In vitro* Diagnostics.
DNA detection and quantification with the nucleic acid amplification technique.
- 1.3 Company Identification:** Bioclarma S. r. L.
Legal Office: via Francesco Petrarca, 4F – 10126 Torino, ITALY.
Operating Office: via Nizza, 52 – 10126 Turin, ITALY.
Tel. +39.011.670.6446; +39.011.188.94474
Fax. +39.011.670.8416; +39.011.188.93578
- 1.4 Emergency Telephone Number:** +39.011.670.6446

2.0 HAZARDS IDENTIFICATION

2.1 Classification:

- **Hazardous classification:**
The product is not subjected to identification in accordance with the current legislation.
- **Emergency overview:**
No particular hazards expected in ordinary condition of use.
- **Potential health effects:**
None found in ordinary condition of use.
- **Environmental effects:**
None found in ordinary condition of use.
- **Signs and symptoms of exposure:**
None found in ordinary condition of use.

2.2 Label elements

Observe the general safety regulations when handling chemicals. The product is not subjected to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization:**
Mixture.
- **Description:**
Mixture of the substances listed below with non-hazardous additions.

Ingredients classified as hazardous under Directive 67/548/EEC as amended, or which have recognized exposure limits.

CAS: 56-81-5	Glycerol	
EINECS: 200-289-5	Substance with recognised exposure limits	>1% and <5%

The Glycerol component is included on account of recognised exposure limits (see section 8).

4.0 FIRST AID MEASURES

- **Immediately get medical attention in case of exposure:**
If advisable in the cases indicated below.
- **Inhalation:**
Remove to fresh air. Seek medical attention in case of complains.
- **Skin contact:**
Generally the product does not irritate the skin. Wash thoroughly with soap and water. Remove contaminated clothing and shoes.
- **Eye contact:**
Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with finger. In the presence of pain and redness, seek medical assistance.
- **Ingestion:**
Flush mouth with copious amounts of water and induce vomiting if person is conscious. Get medical attention if irritation develops or persists.

5.0 FIRE FIGHTING MEASURES

In case of fire:

- **Suitable extinguishing media:**
Use fire fighting measures that suit the environment. Use water spray, carbon dioxide, foam or dry chemical powders, depending on material involved.
- **Unsuitable extinguishing media:**
None in particular.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Do not inhale gases, fumes or vapours.
- **Special protective equipment for fire-fighters:**
Protect airways against gases produced during combustion of the materials involved in the fire.

6.0 ACCIDENTAL RELEASE MEASURES (If necessary, see sections 8 and 13)

- **Personal precautions:**
Non-hazardous. Avoid skin and eyes contact. Wear appropriate protective equipment.
- **Environmental precautions:**
Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:**
Collect spill for disposal. If necessary, soak up spill with inert absorbent material. Dispose of materials according to local and national laws. After removing spilled material, wash spill site and contaminated surfaces with water.

6.0 HANDLING AND STORAGE

7.1 Handling

- **Safety Precaution:**
No special measures required. Avoid direct contact with product. Wear impermeable protective gloves. Do not eat or drink while working with product.
- **Conditions/material to avoid:**
No special measures required.

7.2 Storage

- **Storage Precautions:**
Store in original container at -20°C to preserve product quality.
- **Static discharge prevention:**
No special measures required.
- **Storage limits:**
None listed.

7.3 Specific use(s)

- **Handling recommendations:**
No further relevant information available.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure limits

- **Component (see section 3):**
Glycerol (56-81-5).
- **Occupational:**
Italy:
None.
EU:
TLV/TWA (threshold limit values/time weighted average): 10 mg/m³

8.2 Exposure Controls

- **Engineering controls:**

Ensure good ventilation/exhaustion at the workplace. Handle in accordance with good industrial hygiene and safety practice.

- **Respiratory protection:**

None under ordinary conditions of use. Handle in accordance with good industrial hygiene and safety practice.

- **Hands protection:**

Wear latex or vinyl protective gloves. Handle in accordance with good industrial hygiene and safety practice.

- **Eyes protection:**

Wear safety glasses. Handle in accordance with good industrial hygiene and safety practice.

- **Skin protection:**

Wear protective lab coat. Handle in accordance with good industrial hygiene and safety practice.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information – Appearance:

Physical State at 25°C:	Liquid
Colour:	Colourless
Form:	NA
Odour:	Odourless

9.2 Important health, safety and environmental information:

pH value in aqueous solution:	7.8
Boiling point:	ND
Flash point (liquid):	NA
Flammability (solid):	NA
Flammability (gas, liquid and solid):	ND
Explosive properties:	Product does not present explosion hazardous
Oxidizing properties:	NA
Vapour Pressure at 20°C:	23 hPa
Relative Density:	ND
Solubility:	Completely miscible in water
Partition coefficient n-octanol/water:	ND
Viscosity:	ND
Vapour density (air=1):	ND
Evaporation rate:	ND

9.3 Other information:

Self-flammability:	Product is not self igniting
Lower explosive limit:	NA
Auto ignition temperature of aerosol:	NA
Melting point:	ND
Decomposition temperature:	ND
Apparent Density:	ND
Miscibility with other solvents:	ND
Conductivity:	ND

10.0 **STABILITY AND REACTIVITY**

10.1 **Conditions to avoid**

Stable under ordinary conditions of use, temperature and pressure.

10.2 **Materials to avoid**

No further relevant information available.

10.3 **Hazardous decomposition products**

No decomposition if used according to specification.

- **Products released during decomposition include:**
None listed as hazardous.
- **Stabilizing additives needed and used:**
None.
- **Hazardous exothermic reactions:**
None.
- **Safety consequences of changes in physical state:**
None.
- **Decomposition products formed upon contact with water:**
None.
- **Degradation to unstable products:**
None.

11.0 TOXICOLOGICAL INFORMATION

- **Health effects of exposure to product:**

Acute Toxicity:

Primary irritant effects:

On the skin: no irritant effect.

On the eyes: no irritant effect.

- **Immediate, delayed and chronic effects of short- and long-term exposure:**

- **Sensitization:**

None.

- **Carcinogenic effects:**

None.

- **Mutagenic effects:**

None.

- **Reproductive toxicity (development and fertility):**

None.

- **Narcotic effects:**

None.

- **Additional toxicological information:**

The product is not subjected to classification according to the calculation method of the General EU Classification Guidelines for Preparation as issued in the lasted version. When used and handled according to specifications, the product does not have any harmful effect according to our experience and the information provided to us.

12.0 ECOLOGICAL INFORMATION (if necessary see sections 6, 7, 13, 14 and 15)

- **Toxicity:**

- **Aquatic toxicity:**

No further relevant information available.

- **Persistence and degradability:**

No further relevant information available.

- **Behaviour in environmental system:**

- **Bio-accumulative potential:**

No further relevant information available.

- **Mobility in soil:**

No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water, water course or sewage system.

- **Results of PBT and vPvB assessment:**

- **PBT:**

NA.

- **vPcB:**
NA.
- **Other adverse effects:**
No further relevant information available.

13.0 DISPOSAL CONSIDERATIONS

- **Safety measures and procedures for handling waste and residues:**
Store in a suitably marked place. Do not discard the product with household waste. Do not enter sewers.
- **Appropriate disposal methods for contaminated packaging:**
Observe all national and local regulations regarding disposal.

14.0 TRANSPORT INFORMATION

The product is not classified as dangerous in the meaning of current regulations for road (ADR), rail (RID), maritime (IMDG code) and air (IATA) transport.

14.1 UN Number ADR, ADN, IMDG, IATA	Void
14.2 UN Proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing Group ADR, IMDG, IATA	Void
14.5 Environmental Hazards: Marine pollutant:	No
14.6 Special precautions for users	NA
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	NA
UN "Model Regulation":	-

15.0 REGULATORY INFORMATION

- **Information shown on label**
 - **Commercial designation or trade name:**
SMART SNPD MasterMix (Cod. SNPD-xxx)
SNPD-034 Master Mix
SNPD-029 Master Mix
SNPD-030 Master Mix
SNPD-032 Master Mix
SNPD-033 Master Mix
 - **EU Marketing authorization holder:**
Bioclarma S. r. L.
Legal Office: via Francesco Petrarca, 4F – 10126 Torino, ITALY.
Operating Office: via Nizza, 52 – 10126 Turin, ITALY.
Tel. +39.011.670.6446; +39.011.188.94474
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 - **Contains:**
Chemical name of the component(s): see sections 3 and 16.
- **Classification and labelling**

Product is not classified as hazardous under Directive 88/379/EEC as emended.

 - **Hazard symbol:**
None.
 - **Hazard designation(s):**
None.
 - **Precautionary statements (P-phrases):**
P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 – Do not get in eyes, on skin, or on clothing.
 - **Nominal content of package:**
Volume approximately 0.2 ml per vial.

16.0 OTHER INFORMATION

- **Disclaimers:**

The information provided in this MSDS is correct to the best of our knowledge, information and belief at the time of its publication. The information relates only to the specific material designated, and is not to be considered as a warranty or quality specification. Individuals receiving this information must exercise their independent judgment in determining its accuracy, completeness and appropriateness for a particular purpose. There is no guarantee that all possible safety measures have been described in this MSDS, and that additional measures may not be required in particular or exceptional conditions or circumstances. Bioclarma S.r.L. assumes no responsibility deriving from misuse, improper or illegal, direct or indirect, of the product produced and sold.

- **Recommended uses and restrictions on use:**

Do not use the product for purposes other than those for which it is intended. Improper use may result in risks that are not contemplated herein.

Bioclarma S.r.L. remains at your disposal for further information and explanations.

LEGEND: ND = Not Determinate; NA = Not Applicable