

DATE OF ISSUE: 15th September 2020

SAFETY DATA SHEET

Commercial Product Name: GRAMAX NP LIQUID

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

1.1 Product Name:

1.2 Relevant identified uses and uses advised against: For use as a seed coat by physically mixing with seed. Not for oral consumption. Not for direct contact with Food or Beverages.

1.3 Details of Supplier of Safety Data Sheet:

Manufacturer: Biolevel Ltd. Registered in England No. 10079494.

1.4 Emergency telephone numbers: +44 7807 097946

2. Hazards Identification.

2.1 Classification of the mixture:

According to Regulation (EC) No 1272/2008: Not classified

2.2 Label elements:

Hazard pictogram: None

Signal Word: None

Hazard Statement(s): None

2.3 Other hazards:

The mixture does not fulfil the criteria for PBT or vPvB substance. The preparation contains microorganisms belonging to hazard group 1 as defined by the Advisory Committee on Dangerous Pathogens (ACDP) as unlikely to cause human disease. However, it should not be assumed that infection can never occur. People who are immunocompromised should not work with this product.

3. Composition/Information on ingredients.

Bacillus spp.

Paenibacillus sp.

Pseudomonas sp.

Azospirillum sp.

Aqueous Carrier of glycerine or mono propylene glycol <20% by volume.

4. First Aid Measures.

4.1 Description of first aid measures:

Following aspiration/inhalation: Move affected person to fresh air; keep person quiet and warm; in case of respiratory failure, administer artificial respiration and seek medical attention.

Following skin contact: Wash affected areas with plenty of water.

Following eye contact: Remove contact lenses, if present and easy to do. Rinse eyes with water for at least 15 minutes while holding eyelids apart.

After ingestion: Rinse mouth with water, drink plenty of water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed: Sensitive individuals may experience breathing difficulties

4.3 Indication of any immediate medical attention and special treatment needed: Follow advice in 4.1

5. Fire Fighting Measures.

5.1 Extinguishing media:

Suitable extinguishing media: Any extinguishing media may be used but should be appropriate to the cause of the fire and surrounding area.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the mixture: None.

Specific Hazards: The product is not combustible.

5.3 Advice for fire fighters: Fire-fighters should be equipped with breathing apparatus appropriate to environmental conditions and wear protective clothing.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures.

6.1.1 Avoid aerosol formation. Avoid contact with eyes and skin. Do not breathe aerosol. Wear suitable protective clothing (overalls), gloves, mask & goggles if risk of working in spray/aerosol.

6.1.2 Emergency personnel: see 6.1.1

6.2 Environmental Precautions: No special precautions

6.3 Methods and material for containment and cleaning up:

6.3.1 Containment: no special precautions

6.3.2 Clean-up: Avoid aerosol formation. Apply absorbent then collect in suitable labelled containers for waste. Rinse contaminated area with water afterwards.

6.3.3 Other information relating to spills and releases: Not applicable

6.4 Reference to other sections:

Personal protective means are given in section 8. Disposal advice is given in section 13.

7. Handling and Storage.

7.1 Precautions for safe handling:

Wear full protective clothing for prolonged exposure and/or high concentrations. Do not smoke, eat or drink when handling product. Follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in original container. Store in a cool well-ventilated place. Keep container tightly closed. Store in demarcated/ bunded area to prevent release to drains and/or water courses.

7.3 Specific End Use: Refer to product information sheet for full details.

8. Exposure Controls.

8.1 Control Parameters: Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

8.2.1 Appropriate Engineering Controls: Work in a well - ventilated area. Avoid eating, drinking and smoking. Wash hands after use.

8.2.2 Individual Protection Measures, such as personal protective equipment:

a) **Eye/face protection:** Safety glasses .

b) **Skin protection:**

Hand protection: Rubber gloves

Other: Protective clothing (overalls) and shoes

c) **Respiratory protection:** Dust mask

d) **Thermal hazards:** Not applicable

8.2.3 Environmental exposure controls: Not applicable

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties:

a) Appearance:	Opaque liquid
b) Odour:	mild
c) Odour threshold	not applicable
d) pH:	6.5-7.5
e) Melting point/freezing point:	not applicable
f) Boiling point:	not applicable
g) Flash point:	not applicable
h) Evaporation rate:	not applicable
i) Flammability:	not applicable
j) Explosive limits:	not applicable
k) Vapour pressure:	not applicable
l) Vapour density:	not applicable
m) Relative density:	1.1-1.2g/cm ³
n) solubility in water:	100%
o) partition coefficient:	not applicable
p) auto-ignition temperature:	not applicable
q) decomposition temperature:	not applicable
r) viscosity:	not applicable
s) explosive properties:	not applicable
t) oxidising properties:	not applicable

9.2 Other Information: None

10. Stability and Reactivity.

10.1 Reactivity:

Beware of following conditions: Extremes of Temperature.

Beware of following materials: Biocides.

10.2 Chemical stability: Not available

10.3 Possibility of hazardous reactions: Not available

10.4 Conditions to avoid: Do not expose the mixture to humidity and extremes of temperatures

10.5 Incompatible Materials: Any material with biocidal properties

10.6. Hazardous decomposition products: May release oxides of carbon during fire.

11. Toxicological Information.

11.1 Information on toxicological effects

Mixture:

a) Acute toxicity:	non-toxic
b) Irritation:	not an irritant
c) Corrosivity:	non-corrosive
d) Sensitisation:	non-sensitising
e) Repeated dose toxicity:	non-toxic
f) Carcinogenicity:	non-carcinogenic
g) Mutagenicity:	non-mutagenic
h) Toxicity for reproduction:	non-toxic

14.6 Special precautions for user: No

14.7 Transport in bulk according to Annex II MARPOL 73/78 and the IBC code: Not regulated

15. Regulatory Information.

15.1 Safety, health and environmental regulations/legislation, specific for the mixture: None

15.2 Chemical Safety Assessment: No data available

The preparation is exempt from REACH requirements as the preparation contains biological material and is not a substance.

16. Other Information.

This safety data sheet has been prepared in accordance with Regulations (EC) of the European Parliament Council No 1272/2008 and Commission Regulation (EU) No 453/2010.

The above information is based on present knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification of quality of the product. The users must satisfy themselves that the product is entirely suitable for the purpose.

Revision: 0

Revision Date: N/A

Reason: New classification under 1272/2008