



## SAFETY DATA SHEET NANO POWERSHINE

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name NANO POWERSHINE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses High Gloss Floor Finish

#### 1.3. Details of the supplier of the safety data sheet

Supplier JSK Imports Ltd  
T/A JSK Eco Cleaning Solutions  
Unit 3, OS Sheet Metal,  
Tramore Road  
Cork  
T: +353 21 4318545  
F: +353 21 4318545  
Contact Person SDS Contact: DCM Compliance, info@dcmcompliance.com

#### 1.4. Emergency telephone number

00353 21 4318545 (Mon- Fri, 9-5)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.  
Human health Acute Tox. 4 - H332;Skin Irrit. 2 - H315;Eye Irrit. 2 - H319  
Environment Not classified.

##### Classification (1999/45/EEC)

Xn;R20. Xi;R36/38.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Contains AMMONIA, ANHYDROUS

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

##### Hazard Statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

##### Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Supplementary Precautionary Statements

P261 Avoid breathing vapour/spray.

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P264  
P304+340

Wash contaminated skin thoroughly after handling.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

P312

### 2.3. Other hazards

None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>AMMONIA, ANHYDROUS</b>	<b>1-10%</b>
CAS-No.: 7664-41-7	EC No.: 231-635-3
Classification (EC 1272/2008) Acute Tox. 3 - H331 Skin Corr. 1B - H314 Aquatic Acute 1 - H400	Classification (67/548/EEC) T;R23. C;R34. N;R50. R10.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### **Composition Comments**

The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **General information**

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

#### **Inhalation**

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

#### **Ingestion**

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

#### **Skin contact**

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

#### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Inhalation.**

May be harmful if inhaled.

#### **Skin contact**

May cause skin irritation.

#### **Eye contact**

May cause serious eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

This product is not flammable. Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

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## Unsuitable extinguishing media

Direct water stream

## 5.2. Special hazards arising from the substance or mixture

### Hazardous combustion products

In case of fire the product gives thick black smoke, containing hazardous gases and other combustion products: carbon oxides and carbon dioxides

## 5.3. Advice for firefighters

### Special Fire Fighting Procedures

Undamaged reservoirs, existing near the fire, should be cooled with spraying water. The liquids from the fire zone should be prevented from spreading to sewerage or water bodies. Make attempts to prevent the spilt substance from spreading into the environment, the ground, surface waters and sewerage networks

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. . In reservoirs, keep only the same product. Handle in accordance with existing rules of good industrial hygiene and safety practice

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep out of direct sunlight and away from heat sources. Avoid contact with oxidising agents.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
AMMONIA, ANHYDROUS	OEL	20 ppm	14 mg/m <sup>3</sup>	50 ppm	36 mg/m <sup>3</sup>	

OEL = Occupational Exposure Limit.

### Ingredient Comments

Ireland, Occupational Exposure Limits 2011

### 8.2. Exposure controls

#### Protective equipment



#### Process conditions

Provide eyewash station.

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## Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

## Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

## Hand protection

Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

## Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

## Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

## Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Milky White
Odour	Sweetish.
Initial boiling point and boiling range	101
Melting point (°C)	0
Relative density	1, 001g/l
Bulk Density	Not determined.
Vapour density (air=1)	Not determined.
Vapour pressure	Not determined.
Evaporation rate	Not determined.
pH-Value, Conc. Solution	7-7.5
Viscosity	Not determined.
Decomposition temperature (°C)	Not determined.
Flash point	Not applicable.
Auto Ignition Temperature (°C)	Not determined.
Flammability Limit - Lower(%)	Not determined.
Flammability Limit - Upper(%)	Not determined.
Partition Coefficient (N-Octanol/Water)	Not determined.
Explosive properties	Not determined.
Oxidising properties	Not determined.

### 9.2. Other information

Not known.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Oxidising materials.

## 10.2. Chemical stability

Stable under normal temperature conditions.

## 10.3. Possibility of hazardous reactions

### **Hazardous Polymerisation**

Unknown.

## 10.4. Conditions to avoid

Extreme temperatures, keep from freezing

## 10.5. Incompatible materials

### **Materials To Avoid**

Strong oxidising substances.

## 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Carcinogenicity:

##### **Carcinogenicity**

Not determined.

Does not contain any substances known to be carcinogenic.

#### **Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Harmful by inhalation.

#### **Ingestion**

Gastrointestinal symptoms, including upset stomach.

#### **Skin contact**

Irritating to skin.

#### **Eye contact**

Irritating and may cause redness and pain.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

#### **Degradability**

The product is biodegradable.

### 12.3. Bioaccumulative potential

#### **Partition coefficient**

Not determined.

### 12.4. Mobility in soil

#### **Mobility:**

No data available.

### 12.5. Results of PBT and vPvB assessment

No data available.

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## 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

## SECTION 14: TRANSPORT INFORMATION

**General** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

#### Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally Hazardous Substance/Marine Pollutant**  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

#### Revision Comments

#### Revision Date

01/03/2022

Revision 2

## NANO POWERSHINE

### Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R23	Toxic by inhalation.
R50	Very toxic to aquatic organisms.

### Hazard Statements In Full

H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.