

**B-NINE® WSG**

EPA Registration Number: 400-478-59807

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name** . . . . . B-NINE® WSG  
**EPA Registration No.** . . . . . 400-478-59807  
**Recommended use of the chemical and restrictions on use**  
**Recommended use** . . . . . Plant growth regulator  
**Restrictions on use** . . . . . Agriculture, For professional users only.  
**Company information** . . . . . OHP, Inc.  
 PO Box 51230  
 Mainland, PA 19451  
 (800) 659-6745  
**Emergency telephone number**  
**TRANSPORTATION EMERGENCY (24 hours a day) call** . . . . . Chemtrec: 1-800-424-9300  
**MEDICAL EMERGENCY (24 hours a day) and Product Information call** . . . . . 1-800-356-4647  
**SDS Information or Request** . . . . . ohp.com

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**  
**Appearance** . . . . . granules  
**Colour** . . . . . white  
**Odour** . . . . . odourless  
**Hazard Summary** . . . . . Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
**OSHA Regulatory status** . . . . . This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.  
**GHS Classification** . . . . . Not a hazardous substance or mixture.  
**GHS Label element** . . . . . Not a hazardous substance or mixture.  
**Potential Health Effects**  
**Skin** . . . . . Contact with dust can cause mechanical irritation or drying of the skin.  
**Eyes** . . . . . Dust contact with the eyes can lead to mechanical irritation.  
**Aggravated Medical Condition** . . . . . None known.

**Symptoms of Overexposure** . . . . . No information available.

**Carcinogenicity:**

**IARC**  
 No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**  
 No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**  
 No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance / Mixture** . . . . . Mixture

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
magnesium carbonate	546-93-0	> = 1 - < 5

**4. FIRST AID MEASURES**

**If inhaled** . . . . . Move to fresh air. If symptoms persist, call a physician.  
**In case of skin contact** . . . . . Wash off with warm water and soap.  
**In case of eye contact** . . . . . Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.  
**If swallowed** . . . . . Do NOT induce vomiting. Rinse mouth with water. Obtain medical attention.  
**Notes to physician** . . . . . The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

**5. FIREFIGHTING MEASURES**

**Suitable extinguishing media** . . . . . Carbon dioxide (CO2)  
 Dry powder  
 Foam  
 Water mist

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EPA Registration Number: 400-478-59807

**Unsuitable extinguishing media** . . . . .: Water spray

**Specific hazards during fire-fighting** . . . . .: No information available.

**Further information** . . . . .: Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Special protective equipment for firefighters** . . . . .: In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals Full protective flameproof clothing

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures** . . . : Wear suitable protective equipment.  
Remove all sources of ignition.  
Do not breathe dust.  
Avoid contact with skin and eyes.

**Environmental precautions** . . . . .: Do not allow material to contaminate ground water system.  
Do not allow uncontrolled discharge of product into the environment.

**Methods and materials for containment and cleaning up** . . . . .: Do not create a powder cloud by using a brush or compressed air.  
Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

**7. HANDLING AND STORAGE**

**Advice on safe handling** . . . : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing dust.  
Avoid creating dust.  
Remove all sources of ignition.  
Take precautionary measures against static discharges.  
Use only with adequate ventilation.  
Keep container tightly closed.

**Conditions for safe storage** . . . . .: Keep container tightly closed.  
Keep in a well-ventilated place.  
Keep away from heat.  
In case of occurrence of dust, risk of dust explosion.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
magnesium carbonate	546-93-0	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total)	15 mg/m3	OSHA P0
		TWA (respirable fraction)	5 mg/m3	OSHA P0
		TWA (respirable)	5 mg/m3	NIOSH REL
		TWA (Total)	10 mg/m3	NIOSH REL
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0

**Personal protective equipment**

**Respiratory protection** . . . : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with a dust filter

**Hand protection**

**Remarks** . . . . .: PVC or other plastic material gloves Rubber gloves

**Eye protection** . . . . .: Safety glasses with side-shields conforming to EN166

**Skin and body protection** . . : impervious clothing

**Hygiene measures** . . . . .: Wash thoroughly after handling.  
Remove and wash contaminated clothing before re-use.

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EPA Registration Number: 400-478-59807

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** . . . . .: granules  
**Colour** . . . . .: white  
**Odour** . . . . .: odourless  
**Odour Threshold** . . . . .: No data available  
**pH** . . . . .: 4, Concentration: 10 g/l  
**Melting point/range** . . . . .: No data available  
**Boiling point/boiling range** : Not applicable  
**Flash point** . . . . .: Not applicable  
**Evaporation rate** . . . . .: negligible  
**Upper explosion limit** . . . . .: No data available  
**Lower explosion limit** . . . . .: No data available  
**Vapour pressure** . . . . .: Not applicable  
**Relative vapour density** . . . . .: Not applicable  
**Relative density** . . . . .: No data available  
**Density** . . . . .: 0.40 - 0.50 g/cm<sup>3</sup>  
 Method: No information available.  
**Solubility(ies)**  
**Water solubility** . . . . .: completely soluble  
**Solubility in other solvents** . . . . .: No data available  
**Partition coefficient: n-octanol/water** . . . . .: No data available  
**Auto-ignition temperature** . . . . .: No data available  
**Decomposition temperature** . . . . .: No data available  
**Viscosity**  
**Viscosity, dynamic** . . . . .: No data available  
**Viscosity, kinematic** . . . . .: Not applicable  
**Self-Accelerating decomposition temperature (SADT)** . . . . .: Method: No information available.  
**Oxidising potential** . . . . .: No information available.

### 10. STABILITY AND REACTIVITY

**Reactivity** . . . . .: No dangerous reaction known under conditions of normal use.  
**Chemical stability** . . . . .: Stable under normal conditions.  
**Possibility of hazardous reactions** . . . . .: Hazardous polymerisation does not occur.

**Conditions to avoid** . . . . .: Extremes of temperature and direct sunlight.

**Incompatible materials** . . . . .: Oxidizing agents  
 Strong acids and strong bases

**Hazardous decomposition products** . . . . .: Thermal decomposition can lead to release of irritating gases and vapours.  
 Carbon oxides

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

**Acute oral toxicity** . . . . .: LD50 (Rat): > 5,000 mg/kg

**Acute inhalation toxicity** : LC50 (Rat): > 4 mg/l  
 Exposure time: 4 h  
 Test atmosphere: dust/mist  
 Assessment: The substance or mixture has no acute inhalation toxicity  
 Remarks: An LC50/ inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

**Acute dermal toxicity** . . . . .: LD50 (Rat): > 5,000 mg/kg

#### Skin corrosion/irritation

##### Product:

**Species** . . . . .: Rabbit  
**Result** . . . . .: No skin irritation

#### Serious eye damage/eye irritation

##### Product:

**Species** . . . . .: Rabbit  
**Result** . . . . .: No eye irritation

#### Respiratory or skin sensitisation

##### Product:

**Species** . . . . .: Guinea pig  
**Result** . . . . .: negative

#### Germ cell mutagenicity

##### Product:

**Germ cell mutagenicity - Assessment** . . . . .: Based on available data, the classification criteria are not met.

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EPA Registration Number: 400-478-59807

**Carcinogenicity**

**Product:**

**Carcinogenicity -**

**Assessment** . . . . .: Based on available data, the classification criteria are not met.

**Reproductive toxicity**

**Product:**

**Reproductive toxicity -**

**Assessment** . . . . .: Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Toxicity to fish** . . . . .: Remarks: Based on available data, the classification criteria are not met.

**Toxicity to daphnia and other aquatic invertebrates** . . . . .: Remarks: Based on available data, the classification criteria are not met.

**Toxicity to algae** . . . . .: Remarks: Based on available data, the classification criteria are not met.

**Persistence and degradability**

**Product:**

**Biodegradability** . . . . .: Remarks: No data available

**Bioaccumulative potential**

**Product:**

**Bioaccumulation** . . . . .: Remarks: No data available

**Mobility in soil**

**Product:**

**Mobility** . . . . .: Remarks: No data available

**Other adverse effects**

**Product:**

**Additional ecological information** . . . . .: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
This product has no known ecotoxicological effects.

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

**Waste from residues** . . . . .: In accordance with local and national regulations. Dispose of wastes in an approved waste disposal facility.

**Contaminated packaging** . . . . .: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. TRANSPORT INFORMATION**

**International Regulation**

**UNRTDG** . . . . .: Not regulated as a dangerous good

**IATA-DGR** . . . . .: Not regulated as a dangerous good

**IMDG-Code** . . . . .: Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** . . . . .: Not applicable for product as supplied.

**National Regulations**

**49 CFR** . . . . .: Not regulated as a dangerous good

**15. REGULATORY INFORMATION**

**OSHA Hazards** . . . . .: No OSHA Hazards

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**SARA 304 Extremely Hazardous Substances Reportable Quantity** . . . . .: This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** . . . . .: No SARA Hazards

**SARA 302** . . . . .: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** . . . . .: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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### California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

daminozide	1596-84-5
dimethylnitrosoamine	62-75-9
N,N-dimethylhydrazine	57-14-7

**FIFRA Hazard Information** : This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High,  
 4 = Extreme, \* = Chronic

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

B-Nine is a registered trademark of MacDermid Agricultural Solutions, Inc.

## 16. OTHER INFORMATION

### Further information

#### NFPA:

