



Section 1: Identification of the Material and Supplier

Product Name: Blue Wave laundry powder

Other Names: Not applicable.

Proper shipping name (ADG Code): Not applicable.

Recommended use: As a laundry powder. Use as directed on the product label.

Supplier: DASCO Pty. Ltd.,
ABN: 14 004 581 113
24 - 26 Helen Street, HEIDELBERG HEIGHTS VIC 3081
Tel: (03) 9459 7004 (business hours)
Fax: (03) 9459 9200

Emergency Phone Numbers:
Transport/Fire Emergency: 000 (Emergency services)
Medical Emergency: 131126 (Poisons Information Centre)

Section 2: Hazards Identification

Classified as hazardous according to criteria of Worksafe Australia.

Non-dangerous goods.

Risk Phrases: R: 36/38 Irritating to skin and eyes.
R: 41 Risk of serious damage to eyes.

Safety Phrases: S: 22 Do not breathe dust.
S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 3: Composition/Information on Ingredients

Ingredients:

Sodium metasilicate pentahydrate	[10213-79-3]	10 - 30 %
Inorganic salts		> 60 %
Surfactants		< 10 %
Other ingredients deemed not to be hazardous		to 100 %

Section 4: First Aid Measures

For advice, contact a Poisons Information Centre (Phone 131 126) or a doctor.

- Swallowed: Do not induce vomiting.
- Skin: Remove contaminated clothing and wash skin thoroughly.
- Eyes: Hold eyes open, flood with water for at least 15 minutes and seek medical advice.
- Inhaled: Remove from exposure.

First Aid facilities:

Recommended: Hand wash basin. Eye wash.

Advice to Doctor:

Product is an alkaline mixture of inorganic salts and surfactants, containing a moderate proportion of sodium metasilicate. Risk of serious damage to eyes. Irritating to skin. Contact Poisons Information Centre.

Aggravated medical conditions:

None known.

Section 5: Fire Fighting Measures

- HAZCHEM Code: None.
- Extinguishant: Water fog or fine water spray.
- Risk of violent reaction or explosion: No.
- Products of combustion: Carbon dioxide, oxides of sulphur, oxides of phosphorus.
- Protective Equipment: Breathing apparatus and protective gloves for fire only.

Section 6: Accidental Release Measures

Emergency Procedures:

Contain.

For large spills:

Prevent spillages from entering natural waters. Transfer large spillages into suitable containers. Treat residues as for small spillages.

For small spills:

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to suitable container(s) and arrange removal by disposals company. Wash site of spillage thoroughly with water.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes.

Conditions for safe storage:

Store in a cool, dry, well ventilated place, out of reach of children. Store in original container. Keep container tightly closed and dry. Keep away from oxidising agents, acids. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

Incompatibles:

Acids, acid salts, oxidising agents.

Section 8: Exposure Controls/Personal Protection

National Exposure Standards:

ES-TWA: None found.

ES-STEL: None found.

ES-PEAK: None found.

Notations: None.

Biological Limit Values: No data found.

Engineering Controls:

Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if dust risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible.

Personal Protective Equipment:

Avoid contact with skin and eyes. Do not breathe dusts. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:

Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Section 9: Physical and Chemical Properties

Appearance:	Blue granular powder.
Odour:	Mild, fresh-linen odour.
pH:	10.9 - 11.2
Vapour Pressure:	Not applicable.
Vapour Density:	Not applicable.
Boiling Point:	No data.
Melting Point:	No data.
Volatiles:	About 1 % (fragrance)
Volatile Organic Compounds (VOC):	No data.
Evaporation Rate:	Not applicable.
Solubilities:	Soluble in water.
Specific Gravity/Density:	No data.
Flash Point:	None.
Flammable Limits:	None.
Dust Explosion:	Not applicable.
Auto-ignition Temperature:	No data.

Other Information:

Alkaline mixture, may react vigorously with acids generating carbon dioxide, a simple asphyxiant. May react with strong oxidising agents. May be slightly hygroscopic (may absorb moisture from the air).

Section 10: Stability and Reactivity

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Incompatible materials, moisture.
Incompatible Materials:	Acids, acid salts, oxidising agents.
Hazardous Decomposition Products:	Thermal decomposition may generate oxides of sulphur, oxides of phosphorus.
Hazardous Reactions:	May react vigorously with acids, generating carbon dioxide, a simple asphyxiant.

Section 11: Toxicological Information

Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

Acute:	Swallowed:	May be harmful. Irritating to mouth, throat and gastrointestinal system. May cause discomfort or pain, nausea, vomiting, diarrhoea and possible purging.
	Skin:	Prolonged or repeated skin contact may cause degreasing of the skin and possible redness and irritation.
	Eyes:	Very irritating to eyes. May cause severe irritation with possible tissue injury.
	Inhaled:	Dust inhaled will irritate the upper respiratory system. Symptoms may include coughing, wheezing, laboured breathing. Overexposure may lead to chemical pneumonitis (irritation of the lungs) and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.
Chronic:		Repeated skin contact may lead to dermatitic effects. Repeated contact with eyes may result in permanent injury.
LD50:	Inorganic salt #1	4,090 mg/kg oral, rat.
	Inorganic salt #2	3,120 mg/kg oral, rat.
	Sodium metasilicate	1,153 mg/kg oral, rat.

Section 12: Ecological Information

Ecotoxicity:	Surfactants may be slightly toxic to aquatic organisms.
Persistence and degradability:	Not expected to be persistent in the environment.
Mobility:	Readily transported by water.
Environmental Fate:	Surfactants are considered to be readily biodegradable.
Bioaccumulative potential:	No data.
Other adverse environmental effects:	No data.

Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

Disposal methods and containers:

Avoid disposal to sewer.

Special precautions for landfill or incineration:

Incineration will generate oxides of sulphur and oxides of phosphorus.

Section 14: Transport Information

UN Number: Not applicable.

UN Proper shipping name: Laundry powder.

Class and subsidiary risk: Not applicable.

Packaging group: Not applicable.

Special precautions for user: None.

HAZCHEM Code: None.

Material for export: Not regulated.

Section 15: Regulatory Information

Poisons (SUSDP): Not scheduled.

Dangerous Goods: Not dangerous goods.

Carcinogen:	Australia	IARC	NTP	RTECS
	No.	No.	No.	No.

Agricultural and Veterinary Chemicals Act: Not applicable.

Australian Inventory of Chemical Substances (AICS): Listed.

Other National/International Regulations: None.

Section 16: Other information

Date of MSDS preparation: September 2009

Abbreviations:

NOHSC - National Occupational Health and Safety Commission.
ACGIH - American Conference of Governmental Industrial Hygienists.
MAK - Maximum workplace concentration - Germany,
(*maximale Arbeitsplatzkonzentration*)
IARC - International Agency for Research on Cancer (France).
NTP - National Toxicology Program (USA).
RTECS - Registry of Toxic Effects of Chemical Substances.

Literature references:

Available Sources of Data:

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [2011(2003)] - NOHSC.
Australian Dangerous Goods Code.
Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.
List of Designated Hazardous Substances [10005] - NOHSC.
Merck Index - Merck Inc.
Sax's Dangerous Properties of Industrial Materials - Lewis.
Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.
Handbook of Reactive Chemical Hazards - Bretherick.
Hawley's Condensed Chemical Dictionary - Wiley Interscience.
AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.