# SAFETY DATA SHEET

## SPECTRUM N45

Infosafe No.: LQ2ZA
Version No.: 1.0
ISSUED Date: 03/01/2014
ISSUED BY SIBELCO NEW ZEALAND LIMITED

## 1. IDENTIFICATION

**GHS Product Identifier**
SPECTRUM N45

**Company Name**
SIBELCO NEW ZEALAND LIMITED

**Address**
Company No: 68136
5 Lockhart Place Mt Wellington
Auckland 1060 New Zealand

**Telephone/Fax Number**
Tel: 64 (09) 9147010
Fax: 64 (09) 9147014

**Emergency phone number**
0800 154 666 (24hrs)

**Recommended use of the chemical and restrictions on use**
Used as a filler in paints and plastics, and as a flux in ceramics.

**Other Names**

| Name | Product Code |
|---|---|
| MINEX 12 | |
| MINEX 4 | |
| MINEX 7 | |
| MINEX 10 | |

**Additional Information**
Manufacturer:
Unimin Corporation
258 Elm Street
New Cannan, CT 06840
USA

## 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**
Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

| Name | CAS | Proportion |
|---|---|---|
| Nepheline syenite | 37244-96-5 | 100 % |

## 4. FIRST-AID MEASURES

**Inhalation**
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**
Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**Skin**
Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Eye contact**
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Remove contact lenses. If symptoms develop and/or persist seek medical attention.

**First Aid Facilities**
Eyewash and normal washroom facilities.

**Advice to Doctor**
Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing media that are suitable for the surrounding combustible materials.

**Unsuitable Extinguishing Media**
Do not use water jets.

**Hazards from Combustion Products**
Under fire conditions this product may emit toxic and/or irritating fumes.

**Specific Hazards Arising From The Chemical**
The product is not combustible, however the packaging may burn under fire conditions.

**Decomposition Temperature**
Not available

**Precautions in connection with Fire**
Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures**
Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**
Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatabilities**
Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limit values**
No exposure value assigned for this material by the Health Service (OSH) of the New Zealand Department of Labour. However, the general exposure limit for particulates is listed below:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

| Substance | TWA | | STEL | | NOTICES |
|---|---|---|---|---|---|
| | ppm | mg/m³ | ppm | mg/m³ | |
| Particulates | - | 10/3 (inhalable/respirable) | | | - |

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

**Biological Limit Values**
No biological limits allocated.

**Appropriate Engineering Controls**
Provide sufficient ventilation to keep airborne levels below the exposure limits. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection**
If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**
Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**
Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**
Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**
Powder

**Colour**
White

**Odour**
Odourless

**Decomposition Temperature**
Not available

**Melting Point**
1220°C

**Boiling Point**
Not applicable

**Solubility in Water**
Insoluble

**Solubility in Organic Solvents**
Not available

**Specific Gravity**
2.61

**pH**
Not available

**Vapour Pressure**
Not applicable

**Vapour Density (Air=1)**
Not applicable

**Evaporation Rate**
Not available

**Odour Threshold**
Not available

**Viscosity**
Not available

**Partition Coefficient: n-octanol/water**
Not available

**Flash Point**
Not applicable

**Flammability**
Non-combustible solid

**Auto-Ignition Temperature**
Not applicable

**Flammable Limits - Lower**
Not applicable

**Flammable Limits - Upper**
Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity**
Reacts with incompatible materials.

**Chemical Stability**
Stable under normal conditions of storage and handling.

**Conditions to Avoid**
Dust accumulation.

**Incompatible materials**
Not available

**Hazardous Decomposition Products**
Under fire conditions this product may emit toxic and/or irritating fumes.

**Hazardous Polymerization**
Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information**
No toxicity data available for this material.

**Ingestion**
Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

**Inhalation**
Inhalation of dust may cause irritation of the nose, throat and respiratory system.

**Skin**
Skin contact may cause mechanical irritation resulting in redness and itching.

**Eye**
Eye contact may cause mechanical irritation. May result in mild abrasion.

**Respiratory sensitisation**
Not expected to be a respiratory sensitiser.

**Skin Sensitisation**
Not expected to be a skin sensitiser.

**Germ cell mutagenicity**
Not considered to be a mutagenic hazard.

**Carcinogenicity**
Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**
Not considered to be toxic to reproduction.

**STOT-single exposure**
Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**
Not expected to cause toxicity to a specific target organ through repeated exposure.

**Aspiration Hazard**
Not expected to be an aspiration hazard.

**Other Information**
Chronic exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No ecological data are available for this material.

**Persistence and degradability**
Not available

**Mobility**
Not available

**Bioaccumulative Potential**
Not available

**Environmental Protection**
Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal considerations**
Product Disposal:
This product can be disposed through a licensed commercial waste collection service, in accordance with applicable local and national regulations. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply, however other regulations may apply. It can be disposed in a licensed landfill facility.

Container Disposal:
The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.
In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

**Transport Information**
New Zealand:
Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number**
None Allocated

**UN proper shipping name**
None Allocated

**Transport hazard class(es)**
None Allocated

**IMDG Marine pollutant**
No

## 15. REGULATORY INFORMATION

**National and or International Regulatory Information**
Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

## 16. OTHER INFORMATION

**Date of preparation or last revision of SDS**
SDS Created: January 2014

**References**
Workplace Exposure Standards and Biological Exposure Indices , Department of Labour, Health & Safety.
Transport of Dangerous goods on land NZS 5433.
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).
Assigning a hazardous substance to a group standard.
American Conference of Industrial Hygienists (ACGIH).

## END OF SDS