SAFETY DATA SHEET

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

1.1 Product identifier

Product Name	**CP 914C**
Alternative names	ZEOLITE AMMONIUM FERRIERITE POWDER
REACH Registration No.	Pre-registered

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

Identified use(s)	Catalyst.

1.3 Details of the supplier of the safety data sheet

Company Identification	Zeolyst International 280 Cedar Grove Road Conshohocken PA 19428-2240 USA
Telephone:	+1 610-651-4200
E-Mail (competent person)	sds.uk@pqcorp.com

1.4 Emergency telephone number

Emergency Phone No.	Zeolyst +1 610-651-4200 Chem Trec +1 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification	Not classified as dangerous for supply/use.
EC Classification	Not classified as dangerous for supply/use.
Hazards summary	May cause irritation to skin and eyes. May cause irritation to the respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Regulation (EC) No. 1272/2008 (CLP)

Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Zeolite	100	1318-02-1	215-283-8 Pre-registered	Not classified.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes. If symptoms develop, obtain medical attention.
Inhalation	Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.

Ingestion	Do not induce vomiting. Wash out mouth with water. Obtain medical attention.
4.2 Most important symptoms and effects, both acute and delayed	May cause irritation to skin and eyes. May cause irritation to the respiratory system.
4.3 Indication of any immediate medical attention and special treatment needed	Flush the contaminated area of body with large amounts of water.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media	
Suitable Extinguishing Media	Normal extinguishing media. As appropriate for surrounding fire.
Unsuitable extinguishing Media	None known.
5.2 Special hazards arising from the substance or mixture	Not applicable. Inorganic powder or granules.
5.3 Advice for fire-fighters	Wear suitable protective clothing. Impervious gloves and boots. Chemical goggles (EN 166).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling.
6.2 Environmental precautions	Prevent entry into drains.
6.3 Methods and materials for containment and cleaning up	Contain spillages. Dampening with water can reduce dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.
6.4 Reference to other sections	See Section: 8

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Avoid generation of dust. Avoid contact with skin and eyes. Wash thoroughly after handling. Do not eat, drink or smoke at the work place. Wear protective equipment to comply with good occupational hygiene practice.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed and dry. Store in a cool/low-temperature, well-ventilated (dry) place.
7.3 Specific end use(s)	Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

SUBSTANCE.	Occupational Exposure Limits
	UK EH40: Dust Total inhalable: WEL 10mg/m3 8h TWA. Respirable: WEL 4mg/m3 8h TWA. ACGIH: Particulates not otherwise classified Inhalable TLV 10mg/m3 8h TWA. Respirable: TLV 3mg/m3 8h TWA. OSHA: Inert or Nuisance Dust Total dust : PEL 15mg/m3 8h TWA. Respirable fraction : PEL 5mg/m3 8h TWA.

8.2 Exposure controls

8.2.1 Appropriate engineering controls	Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. Emergency shower and eye wash facilities should be readily available.
8.2.2 Personal Protection	
Respiratory protection	Avoid inhalation of dusts. Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded.
Eye/face protection	Safety spectacles. Goggles.
Skin protection	Wear suitable protective clothing and gloves. Plastic or rubber gloves. For example EN374-3. Wear suitable overalls.
8.2.3 Environmental Exposure Controls	Use with local exhaust ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Powder. White.
Odour	Odourless.
Odour Threshold (ppm)	Not available.
pH (Value)	Not applicable.
Freezing Point (°C)	Not applicable.
Melting Point (°C)	> 1000
Boiling Point (°C)	Not applicable.
Flash Point (°C) [Closed cup]	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour Pressure (mm Hg)	Not applicable.
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	>1
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition Coefficient	Not available.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not available.
Viscosity (mPa. s)	Not available.
Explosive properties	Not applicable.
Oxidising Properties	Not applicable.
9.2 Other information	Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Not to be expected.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	Contact with water generates heat Ammonia may be released on contact with strong bases.
10.4 Conditions to avoid	Keep away from heat.
10.5 Incompatible materials	None
10.6 Hazardous decomposition product(s)	Ammonia , Nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	
Ingestion	Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.
Inhalation	Avoid inhalation of dusts. Existing medical conditions (eg. asthma, bronchitis) may be aggravated by exposure to dust. Effects of dust may be greater, and occur at lower levels of exposure in smokers compared to non-smokers.
Skin Contact	Dust may have a drying effect on the skin.
Eye Contact	Dust may cause discomfort and mild irritation.
Sensitisation	It is not a skin sensitiser.
Mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	IARC assessment: Similar material (synthetic zeolite) is not classifiable as to its carcinogenicity to humans (Group 3).
Reproductive toxicity	No evidence of reproductive toxicity or developmental toxicity.
STOT - single exposure	Not available.
STOT - repeated exposure	Not available.
Other information	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	No environmental hazards have been reported or known.
12.2 Persistence and degradability	No data.
12.3 Bioaccumulative potential	No data. The product has low potential for bioaccumulation.
12.4 Mobility in soil	No data.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Not a hazardous waste under RCRA Sec.3001. This material is not classified as hazardous waste under EC Directive 2008/98/EC (and amendments). This material is not classified as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No. 894. This material is not classified as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No. 894.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	Not classified as dangerous for transport.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	No special packaging requirements.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	

SECTION 15: REGULATORY INFORMATION

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

TSCA Inventory Status: Reported/Included.
AICS Inventory Status: Reported/Included.
DSL/NDSL Inventory Status: Reported/Included.
1,0,0

15.2 Chemical Safety Assessment Not applicable.

SECTION 16: OTHER INFORMATION

This SDS was last reviewed: 11/2013
The following sections contain revisions or new statements: All sections. Update to GHS format.

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