

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878,
OSHA HCS (29 CFR 1910.1200)

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

1.1 Product identifier

Product Name **CBV 2314**

CAS No. 1318-02-1

EC No. 215-283-8

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

Identified Use(s) Catalyst.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Zeolyst International

Address of Manufacturer 280 Cedar Grove Road
Conshohocken, PA

Postal code 19428-2240
USA

Telephone: 484-617-1300

E-mail Sds.amac@ten.com

1.4 Emergency telephone number

Emergency Phone No. 1-800-424-9300 (US, Canada, Puerto Rico) or 1-703-527-3887

Netherlands: 31-858880596

Contact CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) / Not classified as dangerous for supply/use.

OSHA HCS (29 CFR 1910.1200)

2.2 Label elements

SAFETY DATA SHEET

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

2.3 Other hazards

None known.

2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)
Zeolites	1318-02-1	215-283-8 / 01-2119455853-31	100	Not classified

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.

Skin Contact Wash skin with water.

Eye Contact Flush eyes with water for at least 15 minutes. If symptoms develop, obtain medical attention.

Ingestion Wash out mouth with water. If symptoms develop, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Dust may cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically. Wash immediately with water.

SECTION 5: FIREFIGHTING MEASURES

SAFETY DATA SHEET

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

Inorganic powder or granules. Non-combustible.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely. An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Sweep spilled substances into containers if appropriate moisten first to prevent dusting.

6.4 Reference to other sections

See Also Section 8, 13.

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. Wear protective equipment to comply with good occupational hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.

Storage life Stable under normal conditions. Keep container tightly closed and dry.

Incompatible materials None known.

7.3 Specific end use(s)

Catalyst.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

Nuisance Dust

US ACGIH: Particulates not otherwise classified

Inhalable TLV 10mg/m³ 8h TWA. Respirable: TLV 3mg/m³ 8h TWA.

US OSHA: Inert or Nuisance Dust

SAFETY DATA SHEET

Total dust : PEL 15mg/m³ 8h TWA. Respirable fraction : PEL 5mg/m³ 8h TWA.

Zeolites			
DNEL / DMEL	Oral	Inhalation	Dermal
Industry - Long Term - Local effects		3 mg/m ³	
Industry - Long Term - Systemic effects			2.5-3 mg/kg bw/d
Industry - Short term - Local effects			
Industry - Short term - Systemic effects			
Consumer - Long Term - Local effects			
Consumer - Long Term - Systemic effects	1.25-1.5 mg/kg bw/d		1.25-1.5 mg/kg bw/d
Consumer - Short term - Local effects			
Consumer - Short term - Systemic effects			

Zeolites	
Environment	PNEC
Aquatic Compartment (including sediment)	Fresh water : 3.2 mg/l , Sea water : 0.32 mg/l , Intermittent : >1 mg/l
Terrestrial Compartment	Sewage treatment plant : 95 mg/l
Atmospheric Compartment	Soil : 600 mg/kg.w.

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.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear suitable protective clothing and gloves.



Respiratory protection

Normally no personal respiratory protection is necessary. 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.

SAFETY DATA SHEET



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid. Powder.
Colour	White.
Odour	Odourless.
Melting point/freezing point	>1832° F (>1000° C)
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Non-flammable.
Lower and upper explosion limit	Not applicable.
Flash Point	Not applicable.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Insoluble. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : >1
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Contact with water generates heat

10.5 Incompatible materials

Not known.

SAFETY DATA SHEET

10.6 Hazardous decomposition products

Ammonia

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Low acute toxicity
Acute toxicity - Skin Contact	Low acute toxicity
Acute toxicity - Inhalation	Low acute toxicity Effects of dust may be greater, and occur at lower levels of exposure in smokers compared to non-smokers.
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Non-irritant
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell 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	Not classified
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

The substance has low potential for bioaccumulation.

12.4 Mobility in soil

Insoluble in water. The substance is predicted to have low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

SAFETY DATA SHEET

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation.

13.2 Additional Information

Not available.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

Not applicable

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

Not known

14.7 Maritime transport in bulk according to IMO instruments

Not known

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

SAFETY DATA SHEET

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

WGK number

German Water Hazard Classification VwVwS: WGK class 1 (low hazard to water).

United States (TSCA)

Listed - Active

DSL Inventory Status

Listed

SARA 302 - Extremely Hazardous

Not listed

Substances

SARA 311/312 - Hazard Categories

Not listed

Proposition 65 (California)

Not listed

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16 ; New format

Date Previous Issue: **09/2025**

LEGEND

Hazard Pictogram(s)

None.

Precautionary Statement(s)

None.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

SAFETY DATA SHEET

Key literature references and sources Regulation (EC) No. 1272/2008 (CLP)

for data used to compile the SDS

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Advanced Materials & Catalysts LLC gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Advanced Materials & Catalysts LLC accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.