

Molecular Sieve UOP Type 3A**02573-1KG**

Version 1.1

Revision Date 08/25/2021

Print Date 05/02/2023

SECTION 1. IDENTIFICATION

Product name : Molecular Sieve UOP Type 3A

Number : 000000020589

Product Use Description : Adsorbent

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : solid

Color : tan

Odor : odourless

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Hazards not otherwise : When first wetted, the product can heat up to the boiling point of

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classified

water. Flood with water to cool material.

Carcinogenicity

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, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Chemical name	CAS-No.	Concentration
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	1318-02-1	>70.00 %
Mineral binder	-	<30.00 %

Note : Composition as shown represents the chemical composition of the product and is not representing the composition for inventory purposes. See Section 15 for inventory information.

SECTION 4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If symptoms persist, call a physician.

Skin contact : Wash off with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a physician.

Ingestion : Immediately give large quantities of water to drink. Consult a physician.

Notes to physician

Most important : No information available.

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symptoms/effects, acute and
delayed

Indication of immediate : This product is a desiccant and generates heat as it adsorbs
medical attention and water. Treat symptomatically.
special treatment needed, if
necessary

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray
Foam
Dry powder
Carbon dioxide (CO₂)

Specific hazards during : The product itself does not burn.
firefighting

Special protective equipment : Wear an approved positive pressure self-contained breathing
for firefighters apparatus in addition to standard fire fighting gear.

Further information : Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Wear personal protective equipment. Unprotected persons
protective equipment and must be kept away.
emergency procedures Ensure adequate ventilation.
Avoid dust formation.
Avoid breathing dust.

Environmental precautions : Prevent product from entering drains.

Methods and materials for : Use mechanical handling equipment.
containment and cleaning Never return spills in original containers for re-use.
up Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE**Handling**

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Precautions for safe handling : Wear personal protective equipment.
Avoid dust formation.
Use only in well-ventilated areas.

Advice on protection against fire and explosion : The product itself does not burn.
Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid breathing dust.

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Eye protection : Safety glasses with side-shields

Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Lightweight protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Air-purifying respirator with NIOSH classification N-95 filter or P-95 (or equivalent) if oil/liquid aerosols are present (42 CFR 84).

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

Exposure Guidelines

Components	CAS-No.	Value	Control	Upda	Basis
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			parameters	te	
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	1318-02-1	TWA : Time weighted average	1 mg/m3	2008	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information	:	Form of exposure : Respirable fraction.			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Color	: tan
Odor	: odourless
Odor threshold	: Note: No data available
pH	: Note: Not applicable
Melting point/range	: > 400 °C
Boiling point/boiling range	: Note: Not applicable
Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Flammability	: Not applicable
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor pressure	: Note: Not applicable

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Vapor density	: Note: No data available
Density	: > 2 g/cm ³
Water solubility	: Note: insoluble
Partition coefficient: n-octanol/water	: Note: No data available
Ignition temperature	: Note: Not applicable
Decomposition temperature	: Note: No decomposition if used as directed.
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: Note: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: No information available.
Incompatible materials	: Sudden contact with high concentrations of chemicals having high heats of adsorption such as olefins, HCl, etc. When first wetted, the product can heat up to the boiling point of water. Flood with water to cool material.
Hazardous decomposition products	: No hazardous decomposition products known.

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: > 32,000 mg/kg Species: Rat
Acute inhalation toxicity	: Note: No data available
Acute dermal toxicity	: LD50: > 2,000 mg/kg Species: Rabbit
Skin irritation	: Species: Rabbit Classification: Not classified as a skin irritant in animal testing.
Eye irritation	: Species: Rabbit Classification: Not classified as an eye irritant in animal testing.
Sensitisation	: Note: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	: Note: No data available
Toxicity to daphnia and other aquatic invertebrates	: Note: No data available
Toxicity to algae	: Note: No data available

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Elimination information (persistence and degradability)

Bioaccumulation : Note: No data available

Mobility : Note: No data available

Further information on ecology

Additional ecological information : No information on ecology is available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : This product (in its fresh unused state) is not listed by generic name or trademark name in the U.S. EPA's RCRA regulations and does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity or toxicity). Materials of a hazardous nature that contact the product during normal use may be retained on this product. The user of the product must identify the hazards associated with the retained material in order to assess the waste disposal options. Observe all Federal, State, and Local Environmental regulations.

Materials of a hazardous nature that contact the product during normal use may be retained on this product. The user of the product must identify the hazards associated with the retained material in order to assess the waste disposal options.

SECTION 14. TRANSPORT INFORMATION**DOT** Not dangerous goods**TDG** Not dangerous goods**IATA** Not dangerous goods**IMDG** Not dangerous goods**SECTION 15. REGULATORY INFORMATION**

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Inventories

US. Toxic Substances
Control Act : On TSCA Inventory

Australia. Industrial
Chemical (Notification and
Assessment) Act : On the inventory, or in compliance with the inventory

Canada. Canadian
Environmental Protection
Act (CEPA). Domestic
Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals
Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of
Chemicals and Chemical
Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing
Chemical Substances
(IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of
Chemicals (NZIoC), as
published by ERMA New
Zealand : On the inventory, or in compliance with the inventory

Note : Zeolites are considered Statutory Mixtures for Inventory
purposes, for more information, contact
SafetyDataSheet@honeywell.com.

National regulatory information

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

SARA 313 Components : 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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SARA 311/312 Hazards : No SARA Hazards**California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.**SECTION 16. OTHER INFORMATION**

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 1	
Instability	:	1

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

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. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group