

SAFETY DATA SHEET

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F34788 HYDRANAL-HUMID. ABSORB. 1,00KPF

000000020604

Version 1.0

Revision Date 09/21/2016

Print Date 01/07/2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HYDRANAL™-Humidity absorber

Number : 000000020604

Product Use Description : Laboratory chemicals

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 : orange

Odor : odourless

Classification of the substance or mixture

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

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

Hazards not otherwise classified : Repeated or prolonged exposure may irritate eyes, skin and respiratory system.

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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 : Substance

Chemical name	CAS-No.	Concentration
Silicon dioxide	7631-86-9	100.00 %

SECTION 4. FIRST AID MEASURES

- General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. Call a physician immediately.
- Skin contact : Wash off immediately with plenty of water. If skin irritation persists, call a physician.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Protect unharmed eye.
- Ingestion : When swallowed, allow water to be drunk. Do NOT induce vomiting. Call a physician immediately.

SECTION 5. FIREFIGHTING MEASURES

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

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- Specific hazards during firefighting : No information available.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing 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.
Avoid dust formation.
Avoid breathing dust.
- Environmental precautions : Should not be released into the environment.
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.
Use mechanical handling equipment.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Provide exhaust ventilation if dust is formed.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Requirements for storage areas and containers : 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.

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- Engineering measures : Use with local exhaust ventilation.
- 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 : Protective suit
- Hygiene measures : General industrial hygiene practice.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Silicon dioxide	7631-86-9	REL : Recommended exposure limit (REL):	6 mg/m3	2005	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Silicon dioxide	7631-86-9	TWA : Time weighted average	6 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000)
Silicon dioxide	7631-86-9	TWA : Time weighted average	0.8 mg/m3 The exposure limit is calculated from the equation, $80/(\%SiO_2)$, using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits.	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)
Silicon dioxide	7631-86-9	TWA : Time weighted average	20 millions of particles per cubic foot of air	2000	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000)

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : solid

Color : orange

Odor : odourless

Melting point/range : > 1,000 °C

Flash point : Note: Not applicable

Lower explosion limit : Note: Not applicable

Upper explosion limit : Note: Not applicable

Water solubility : Note: insoluble

Ignition temperature : Note: Not applicable

Decomposition temperature : Note: No decomposition if used as directed.

Bulk density : ca. 800 kg/m³

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : Stable under recommended storage conditions.

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Possibility of hazardous reactions : Hazardous polymerisation does not occur.
Conditions to avoid : None known.
Incompatible materials to avoid : None
Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Note: no data available
Acute inhalation toxicity : Note: no data available
Acute dermal toxicity : Note: no data available
Skin irritation : Note: no data available
Eye irritation : Note: no data available
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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Further information on ecology

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

SECTION 15. REGULATORY INFORMATION

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. Toxic Chemical Control Law (TCCL) List : On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control : On the inventory, or in compliance with the inventory

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Act

China. Inventory of Existing Chemical Substances : 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

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.

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

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.

Massachusetts RTK : Silicon dioxide 7631-86-9

New Jersey RTK : Silicon dioxide 7631-86-9

Pennsylvania RTK : Silicon dioxide 7631-86-9

SECTION 16. OTHER INFORMATION

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

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* - Chronic health hazard

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.

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group