SAFETY DATA SHEET

DRY 100

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name DRY 100

Product Use Description Adsorbents

Manufacturer or suppliers details : Forsch Polymer Corp.
3025 S Wyandot St.
Englewood, CO. 80110
www.forschpolymer.com

Telephone (303) 322-9611
fax : (303) 322-7378

In case of emergency call
(303) 548-7716

Bill@forschpolymer.com

SECTION 2. HAZARDS IDENTIFICATION Emergency Overview

Form : powder

Color : white to off-white

Odor : none

Hazard Summary : Repeated or prolonged exposure may irritate eyes, skin and respiratory system. When first wetted, the product can heat up to the boiling point of water. Flood with water to cool material.

Potential Health Effects

Skin : May cause skin irritation.
The product gets hot as it first adsorbs water.

Eyes : Dust and/or product may cause eye discomfort and/or irritation seen as tearing and reddening.

Ingestion : The product gets hot as it first adsorbs water.
Bums to moist body tissue can result if contact is prolonged.

Inhalation : Exposure to dust particles generated from this material may cause irritation of the respiratory tract.

Chronic Exposure : Prolonged or repeated inhalation may cause lung damage.

Primary Routes of Entry : Contact with skin and eyes.
Exposure may also occur via inhalation or ingestion if product dust is generated.

Classification of the substance or mixture

Not a hazardous substance or mixture.

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

Hazards not otherwise ctassified : The product gets hot as it first adsorbs water.

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	100.00 %

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	:	Drink at least 2 glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious person.

Notes to physician

Treatment	:	This product is a desiccant and generates heat as it adsorbs water. The used product can contain material of a hazardous nature. Identify that material and treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during firefighting	:	The product itself does not burn. The used product can retain material of a hazardous nature. Identify that material and inform the fire fighters.
Special protective equipment for firefighters	:	In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	For personal protection see section 8.
Environmental precautions	:	No special environmental precautions required.
Methods for cleaning up	:	Sweep, shovel or vacuum spilled product into appropriate containers (do not use a vacuum if material has contacted a hydrocarbon material). Pick up and arrange disposal without creating dust. Never return spills in original containers for re-use. Spilled product should be disposed of in accordance with all

applicable government regulations.

SECTION 7. HANDLING AND STORAGE

Handling

Handling : Handle and open container with care.
Avoid dust formation.
Avoid contact with skin and eyes.
Provide an electrical ground connection during loading and transfer operations to avoid static discharge in an explosive atmosphere and to prevent persons handling the product from receiving static shocks.
A copy of UOP's booklet, "Precautions & Safe Practices for Handling Zeolite Molecular Sieve Adsorbents in Process Units", can be obtained from your UOP representative at no cost.

Storage

Requirements for storage areas and containers : Store in original container.
Keep in a dry piece.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

Eye protection : Safety glasses
Safety goggles

Hand protection : Protective gloves

Skin and body protection : Work uniform and gloves to prevent prolonged contact.

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).

Exposure Guidelines

Components	CAS-No.	Value	Control	Upda	Basis

			parameters	to	
Zeolite, cuboidal crystalline, synthetic, non-fibrous	1318-02-1	TWA : time weighted average	1 mg/m3	2008	ACGIH US, ACGIH Threshold Limit Values
Further information		Form of exposure : Respirable fraction.			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: powder
Color	: white to off-white
Odor	: none
pH	: Note: Not applicable
Melting point/freezing point	: > 400 °C
Boiling point/boiling range	: Note: Not applicable
Flash point	: Note: Not applicable
Flammability	: Not applicable
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor pressure	: Note: Not applicable
Vapor density	: Note: Not applicable
Density	> 2.0 g/cm3

Specific gravity	:	Note: Not applicable
Water solubility	:	Note: insoluble
Solubility in other solvents	:	Note: no data available
Partition coefficient: n-octanol/water	:	Note: no data available
Ignition temperature	:	Note: Not applicable
Viscosity, kinematic	:	Note: Not applicable
Bulk density	:	Note: For further information, refer to the product technical data sheet.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	:	Stable
Incompatible materials to avoid	:	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 decomposition if used as directed. Hydrocarbons and other materials that contact the product during normal use can be retained on The product. It is reasonable to expect that decomposition products will come from these retained materials of use.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50: > 5,110 mg/kg Species: Rat

Acute inhalation toxicity	:	LCO: > 3.35 mg/l Exposure time: 4 h Species: Rat
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.
Further information	:	Note: The toxicological data has been taken from products of similar composition.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	LC50: > 680 mg/l Exposure time: 96 h Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates	:	EC50: 2,808 mg/i Exposure time: 24 h Species: Daphnia magna (Water flea)
Toxicity to algae	:	EC50: > 328 mg/l Exposure time: 96 h Species: scenedesmus subspicatus

Elimination information (persistence and degradability)

Bioaccumulation	:	Note: no data available

Mobility : Note: no data available

Biodegradability : Note: no data available

Further information on ecology

Additional ecological information : Additional data is available to professional users on request.

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.

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 the inventory, or in compliance with the 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 Act	: On the inventory, or in compliance with the inventory
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
Note	: Zeolites are considered Statutory Mixtures for Inventory Purposes.

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	: 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.

WHMIS Classification : Not Rated
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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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