SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

SDS REVISION #: 010

PRODUCT IDENTIFIER:	AGELESS Z Group (Z, ZPT)
OTHER IDENTIFIERS:	None
CHEMICAL FORMULA:	Mixture
RECOMMENDED USE:	Absorb oxygen in packaged materials
MANUFACTURED BY:	Mitsubishi Gas Chemical Company, Inc. Mitsubishi Building, 5-2 Marunouchi 2-chome Chiyoda-ku, Tokyo 100-8324, Japan
DISTRIBUTED BY:	Mitsubishi Gas Chemical America 655 Third Avenue, 24th Floor, New York, NY 10017
PHONE NUMBERS:	Inquiries - (212) 687-9030 (business hours) Inquiries: 81-3-3283-5167 (Japan) MEDICAL EMERGENCIES - (866) 269-7972 (Anytime) CHEMTREC - (800) 424-9300 (transportation emergencies)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
No GHS hazards

PICTOGRAM:
None required

SIGNAL WORD:
None required

HAZARD STATEMENTS:
None required

PRECAUTIONARY STATEMENTS:
None required

HAZARDS NOT OTHERWISE CLASSIFIED: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

AGELESS Z Group oxygen absorbers are woven paper pouches, the contents of which are listed below:

Component	%	CAS No.
Kieselguhr (calcined)	15-40	91053-39-3
Iron powder	-----	7439-89-6

SECTION 4 - FIRST AID MEASURES

The woven paper pouch provides effective protection from the adverse health effects of the contents. If, however, the pouch is torn or damaged and persons are exposed to the contents, the following first aid procedures apply:

IN CASE OF EYE CONTACT:

Immediately flush with large amounts of water, lifting upper and lower lids occasionally. Remove contact lenses if easy to do so. Continue rinsing. If irritation persists, get medical attention.

IN CASE OF SKIN CONTACT:

Wash with soap and water.

IF SWALLOWED:

Give two large glasses of water. Contact the Rocky Mountain Poison and Drug Center at (866) 269-7972 or a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS:

The pouch provides effective protection from the adverse health effects of the contents. If, however, the pouch is torn or damaged and the contents released, exposed persons may experience eye irritation.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

This material is not easily or readily ignited; however, the woven paper pouch will burn if exposed to an ignition source.

EXTINGUISHING MEDIA:

Use large quantities of water, regular foam, dry chemical or carbon dioxide as appropriate for other materials involved in the fire.

PROTECTION OF FIREFIGHTERS:

Wear protective clothing and self-contained breathing apparatus suitable for use with fires involving plastic materials. Keep personnel removed from and upwind of fire. Combustion products may include smoke, fumes, carbon dioxide and carbon monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES:

Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

CONTAINMENT & CLEAN-UP:

Shovel spilled material into a plastic bag. Thoroughly sweep up residual material. Avoid generating dust during clean-up operation.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Do not open the outer protective package until ready for use. Do not break or damage the woven paper pouch.

STORAGE:

Do not remove from shipping containers until ready for use. Store in cool, dry place.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

The woven paper pouch provides effective protection from the adverse health effects of the contents. If, however, the pouch is torn or damaged and the contents released, the contents of the pouch have the following exposure limits:

Kieselguhr, calcined (CAS# 91053-39-3)	OSHA PEL (particulates) 15 mg/M^3 (total dust) 5 mg/M^3 (respirable dust) ACGIH TLV (particulates) 10 mg/M^3 (total dust) 3 mg/M^3 (respirable dust)
Iron (CAS# 7439-89-6)	OSHA PEL (iron oxide fume) - 10 mg/M^3 ACGIH TLV (iron oxide) - 5mg/M^3

ENGINEERING CONTROLS:

Material handling equipment should be designed to avoid tearing or damaging the pouch.

EYE / FACE PROTECTION:

Wear safety glasses or splash goggles when handling any chemical substance.

SKIN PROTECTION:

Not required under normal conditions of use.

RESPIRATORY PROTECTION:

Not required under normal conditions of use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Woven paper pouch containing gray or black powders @ 77^o F (25^o C)
Odor: Almost no odor
Evaporation Rate: Nil
(Ethyl Ether = 1)
Solubility in Water: Insoluble
Bulk Density: 2.1-3.0 @ 77^o F (25^o C)

Volatile %: <50
pH: Unavailable
Flash Point: Not applicable
Upper Explosion Limit: Unavailable
Lower Explosion Limit: Unavailable
Autoignition Temperature: Unavailable

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:

May react with strong oxidizing agents and strong acids

STABILITY (conditions to avoid):

Stable under normal conditions; however, exposure to excessive heat, air or moisture will reduce the product effectiveness.

POSSIBILITY OF HAZARDOUS REACTIONS:

May react with strong oxidizing agents and strong acids

CONDITIONS TO AVOID:

Avoid exposure to heat, air and moisture.

INCOMPATIBILE MATERIALS:

Unknown

HAZARDOUS DECOMPOSITION PRODUCTS:

Unknown

SECTION 11 - TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:

None - the woven paper pouch provides effective protection from the adverse health effects of the contents.

SYMPTOMS (of exposure to the contents of the pouch):

Skin contact: None
Eye contact: Irritation, redness
Inhalation: None

EFFECTS FROM EXPOSURE (to the contents of the pouch):

Immediate: Can cause eye irritation.
Delayed: None known
Chronic: Unavailable

TOXICITY DATA:

Acute Oral LD_{50} – greater than 2,000 mg/kg

Section 11 continued on next page

SECTION 11 - TOXICOLOGICAL INFORMATION (continued)

CARCINOGENICITY

Crystalline silica may be found in this product as part of the calcined Kieselguhr, which is contained in this product. IARC, NTP and ACGIH have determined that long-term inhalation of excessive amounts of crystalline silica can cause silicosis and lung cancer. There is little risk that the crystalline silica in this product will separate from the kieselguhr. It is not considered to be respirable because of the particle size, and the pouch effectively prevents the silica from becoming airborne.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available

PERSISTENCE AND BIODEGRADABILITY:

No data available

BIOACCUMULATIVE POTENTIAL:

No data available

MOBILITY IN SOIL:

No data available

OTHER ADVERSE EFFECTS:

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Incineration is the recommended disposal method for all chemical wastes, such as this material. This product, if disposed of, is not considered a hazardous waste under current RCRA regulations.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current DOT, TDG (Canadian), ICAO (air) or IMO (water) transport regulations.

SECTION 15 - REGULATORY INFORMATION

TSCA INFORMATION:

All components in this product are in compliance with the TSCA Inventory requirements.

CEPA:

All components in this product are listed on the Canadian Domestic Substances List (DSL) or exempt from listing.

WHMIS :

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. Crystalline silica may be found in this product as part of the calcined Kieselguhr, which is contained in this product. The WHMIS classification for crystalline silica is D2A (see Section 11 – Carcinogenicity).

SARA:

CERCLA/SARA 302: Not applicable.
CERCLA/SARA 311/312: Not applicable
CERCLA/SARA 313: Not applicable

CALIFORNIA PROPOSITION 65:

This product contains chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

PREPARATION DATE: November 12, 2013
SUPERCEDES: Revision 9, dated October 8, 2010
REASON FOR REVISION: Updated to GHS
RESPONSIBLE PERSON: Mr. Kenji Yoshizaki - 212-687-9030

The product information contained herein is believed to be accurate as of the date of the Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with any other product), storage or disposal of the product, including any resultant personal injury or property damage.

****END OF REPORT****