

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: i-Chem Maximum Security™

FILE NO.: 10013

MSDS DATE: 01/4/2010

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: i-Chem Maximum Security™

PRODUCT Number: P00530

SYNONYMS: Amorphous silica with natural dust suppressant.

PRODUCT CODES: UPC 10000, 10002, 10004

SOLD BY: Amrep, Inc.

ADDRESS: 990 Industrial Park Drive, Marietta, GA

DOT Emergency – Chem-tel (800) 255-3924

OTHER CALLS - (700) 422- 2071

CHEMICAL NAME: Amorphous silica

CHEMICAL FAMILY: Volcanic glass

CHEMICAL FORMULA: Matrix: Mixture of SiO₂, Al₂O₅Si, K₂Si₂O₃, Na₂SiO₃ and trace amounts of Fe, Ca, & Mg. and Dust/Odor Suppressant: Proprietary.

PRODUCT USE: Absorbent and Odor Suppressant

PREPARED BY: See Section 16

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

CAS #	% WT	% VOL	SARA 313
112926-00-8	88 - 98	100	Not established
Proprietary dust suppressant	2 - 10	0	Not established

	ppm	mg/m ³
OSHA PEL-TWA:	Not established	Not established
OSHA PEL STEL :	Not established	Not established
OSHA PEL CEILING:	Not established	Not established
ACGIH TLV-TWA:	Not established	10mg/m ³ Total dust*
ACGIH TLV STEL:	Not established	Not established
ACGIH TLV CEILING:	Not established	Not established

NOTES: * This value applies only to the untreated matrix. Treated MAXIMUM SECURITY™ has a dust suppressant (See above) to prevent it from becoming airborne.

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SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: Avoid contact with eyes. Do not ingest.

ROUTES OF ENTRY: Eyes, ingestion, inhalation.

POTENTIAL HEALTH EFFECTS

EYES: This product may be a hazard in case of eye contact (irritant).

INGESTION: Not hazardous but to be avoided.

INHALATION: Coughing, irritation of nose & throat; blow nose to evacuate product.

SKIN: This product will dry skin and could be an irritant. It is not absorbed by the skin.

ACUTE HEALTH HAZARDS: Eye irritant and drying of the skin.

CHRONIC HEALTH HAZARDS: Not established.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritated skin, e.g., open wounds, pre-existing rash. Eye inflammation or pre-existing ocular symptoms.

CARCINOGENICITY

OSHA:	ACGIH:	NTP:	IARC:
Not known to contain any chemicals at reportable quantities that are listed as carcinogens by: OSHA, ACGIH, NTP or IRAC.			

NOTES: This product is not considered a Hazardous Material.

SECTION 4: FIRST AID MEASURES

EYES: Do not rub eyes. Flush eyes with copious amounts of water to remove any small particles. Consult a physician if irritation persists.

SKIN: Wash skin with clean water to remove product. Consult a physician if irritation persists.

INGESTION: Not established. Consult a physician.

INHALATION: Remove from area; drink water to clear throat; blow nose to evacuate particles.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: This product should be considered like sand when treating any emergencies.

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SECTION 5: FIRE-FIGHTING MEASURES

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FLASH POINT : Not applicable

NFPA HAZARD CLASSIFICATION

HEALTH: Not established FLAMMABILITY: Not established REACTIVITY: Not established

Notes: Hazardous liquids retain their hazardous characteristics and designation when absorbed by MAXIMUM SECURITY and Zorbent.

HMIS HAZARD CLASSIFICATION

HEALTH: Not established FLAMMABILITY: Not established MAXIMUM SECURITY is not flammable, however, the absorbed spill if flammable retains its flammable characteristic when absorbed onto MAXIMUM SECURITY.

REACTIVITY: Not established.

EXTINGUISHING MEDIA: For absorbed spill see spill liquid MSDS.

SPECIAL FIRE FIGHTING PROCEDURES: Respiratory and Eye protection is required for firefighting personal. For absorbed spill see spilled liquid MSDS.

UNUSUAL FIRE AND EXPLOSION HAZARDS (See Notes this section) Keep MAXIMUM SECURITY that is saturated with oil and flammable liquids away from flames. For absorbed liquid spill see section; UNUSUAL FIRE AND EXPLOSION HAZARDS on spilled liquid MSDS.

HAZARDOUS DECOMPOSITION PRODUCTS: None

Notes: Flammable liquids retain their flammable characteristics when absorbed by MAXIMUM SECURITY. Liquids absorbed into or on all loose absorbents, including MAXIMUM SECURITY, lower the flash point of the absorbed liquid. For example: Liquids that resist ignition when spilled may be ignitable when absorbed into or on a particle absorbent such as clay, diatomaceous earth, MAXIMUM SECURITY or similar loose absorbent. An example of such a liquid is waste auto oil.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Sweep or vacuumed clean. Dispose of unused MAXIMUM SECURITY as a non-hazardous waste.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep dry. Repair all broken bags.

OTHER PRECAUTIONS: None

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ensure that eyewash stations are close to work stations.

VENTILATION: Keep well ventilated.

RESPIRATORY PROTECTION: Dust mask where airborne concentrations are expected to exceed exposure limits.

EYE PROTECTION: As a minimum, safety glasses with side shields.

SKIN PROTECTION: Gloves (optional).

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK HYGIENIC PRACTICES: Follow good housekeeping practices.

EXPOSURE GUIDELINES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White to gray granular material.

ODOR: Slight mild odor.

PHYSICAL STATE: Granular

pH AS SUPPLIED: Not applicable (solid).

pH (Other): Water slurry, 6.5 to 8

BOILING POINT: NA

F: NA

C: NA

MELTING POINT: Matrix

F: 2300° to 2450°

C: 1260° to 1343°

EFFECTIVE DENSITY: 4 - 8 lbs. per cubic foot.

@ F: 68°

C: 20°

EVAPORATION RATE: NA

SOLUBILITY IN WATER: <1%

PERCENT SOLIDS BY WEIGHT: 90-98% %

PERCENT VOLATILE: 0

VOLATILE ORGANIC COMPOUNDS (VOC): None

MOLECULAR WEIGHT: Mixture, NA

VISCOSITY: Solid, NA

SECTION 10: STABILITY AND REACTIVITY

STABLE

Yes

UNSTABILITY:

No

CONDITIONS TO AVOID (STABILITY): For MAXIMUM SECURITY saturated with a flammable spill avoids flames. Flammable liquids remain flammable when absorbed by MAXIMUM SECURITY.

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INCOMPATIBILITY (MATERIAL TO AVOID): Hydrofluoric acid- forms toxic silicon tetrafluoride gas.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Does not occur.

CONDITIONS TO AVOID (POLYMERIZATION): None. Does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None available. The matrix is considered non-hazardous by the FDA and when airborne, it is considered a nuisance dust by the EPA. OSHA: The dust suppressant is a non-toxic, organic, natural substance approved by the FDA.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: The matrix will not biodegrade but the dust suppressant will biodegrade, over time, in a landfill.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Non-hazardous landfill.

RCRA HAZARD CLASS: Not established.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Cleaning compound

CLASS: 55 Non- hazardous.

SECTION 15: REGULATORY INFORMATION

OSHA - Hazard Communication Standard

This product is not a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

California Proposition 65 (Safe drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

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U.S. FEDERAL REGULATIONS- Amorphous silica with a dust suppressant is not known to be regulated by the US, state or International statutes.

SECTION 16: OTHER INFORMATION

MANUFACTURED FOR: Amrep Inc., 990 Industrial Park Drive, Marietta, GA30062

PREPARATION INFORMATION: Prepared by: Richard J. Kraemer