



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: UNIVERSAL POLYPROPYLENE ABSORBENTS
PRODUCT USE: SORBENT MEDIA USED TO ABSORB LEAKS AND SPILLS WHICH INCLUDE BUT NOT LIMITED TO OIL, WATER, COOLANTS AND SOLVENTS
SPECIFIC PRODUCT TYPE: ABSORBENT PADS
COMPANY INFORMATION: ENPAC, LLC
34355 VOKES DRIVE
EASTLAKE, OH 44095
PHONE: 440-975-0070
FAX: 440-975-0047
EMER: 440-975-0070

SECTION 2: HAZARDS IDENTIFICATION

THIS PRODUCT IS NOT DANGEROUS IN ITS UNUSED FORM AND CONTAINS NO HAZARDOUS INGREDIENTS.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIALS	PERCENT	CAS #
POLYPROPYLENE:	>97%	9003-07-0
SURFACTANT:	< 1%	9004-34-6
GRAY PIGMENT	< 1%	NONE
YELLOW PIGMENT	< 1%	NONE
GREEN PIGMENT	< 1%	NONE
ORANGE PIGMENT	< 1%	NONE

SECTION 4: FIRST AID MEASURES

NO SPECIAL PROCEDURES REQUIRED

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >315 DEGREES CELCIUS (ASTM D93)
FLAMMABLE LIMITS: NOT YET DETERMINED
EXTINGUISHING MEDIA: WATER, FOAM, CO2, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: STANDARD PROCEDURE FOR CLASS A FIRES
UNUSUAL FIRE AND EXPLOSION HAZARD: SOME CARBON MONOXIDE UNDER LEAN OXYGEN CONDITIONS

SECTION 6: ACCIDENTAL RELEASE MEASURES

NO SPECIAL STEPS ARE TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SECTION 7: HANDLING AND STORAGE

STORE IN DRY AREA. DO NOT STORE NEAR OPEN FLAME, HIGH HEAT OR STRONG OXIDANTS. POLYPROPYLENE, WHEN HEATED, BECOMES VERY STICKY AND WILL BURN. USE SELF-CONTAINED AIR MASK TO ENTER SMOKY AREA IN THE EVENT OF FIRE.

SECTION 8: EXPOSUR CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE LIMITS: OSHA PEL: N/A

ACGIH TLV: N/A

RESPIRATORY PROTECTION: NONE REQUIRED
VENTILATION: NONE REQUIRED
PROTECTIVE GLOVES: NONE REQUIRED ONLY IF MOLTAN
EYE PROTECTION: NONE REQUIRED
OTHER PROTECTIVE EQUIPMENT (SPECIFY): NONE REQUIRED

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: GRAY, YELLOW, GREEN, ORANGE
DENSITY: 0.04 - 0.06 gram/cc
ODOR: CITRUS (IN ORANGE ABSORBENT)
SPECIFIC GRAVITY: 0.88 - 0.92
FLASH POINT: NOT APPLICABLE
BOILING POINT: NOT APPLICABLE
MELTING POINT: > 160 DEGREES CELSIUS

SOLUBILITY IN WATER: INSOLUABLE
PERCENT VOLATILE: NOT APPLICABLE
EVAPORATION RATE: NOT APPLICABLE
VAPOR PRESSURE (mm Hg): NOT APPLICABLE
VAPOR DENSITY (Air = 1): NOT APPLICABLE
AUTO IGNITION TEMPERATURE >675 DEGREES FAHRENHEIT

SECTION 10: STABILITY AND REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (conditions to avoid): NONE
INCOMPATIBILITY (materials to avoid): NITRIC ACID, PERCHLORIC ACID, SULFURIC ACID OR 98% SULFURIC ACID
HAZARDOUS DECOMPOSITION: WHEN HEATED, IT MAY EMIT TOXIC
HAZARDOUS POLYMERAZATION: WILL NOT OCCUR

SECTION 11: TOXOCOLOGICAL INFORMATION

HEALTH HAZARDS (acute or cronic): NONE
SIGNS OR SYMPTOMS OF EXPOSURE: NONE
MEDICAL CONDITIONS GENERRALLY AGGRAVATED BY EXPOSURE: NONE
DATE ISSUED: November 19, 2014
PREPARED BY: ENPAC, LLC

SECTION 12 TO SECTION 15 NOT APPLICABLE

SECTION 16: OTHER INFORMATION

SDS PREPARATION DATE: November 19, 2014

THE INFORMATION CONTAINED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE. MY COMPANY MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE SAFE USE OF THIS MATERIAL IN YOUR PROCESS OR IN COMBINATION WITH OTHER SUBSTANCES



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: OIL ONLY POLYPROPYLENE ABSORBENTS
PRODUCT USE: SORBENT MEDIA USED TO ABSORB OIL-BASED CHEMICALS WHICH INCLUDE BUT NOT LIMITED TO DIESEL FUEL, OIL, GASOLINE AND KEROSENE WHILE REPELLING WATER AND WATER BASED PRODUCTS.
SPECIFIC PRODUCT TYPE: ABSORBENT PADS
COMPANY INFORMATION: ENPAC, LLC
34355 VOKES DRIVE
EASTLAKE, OH 44095
PHONE: 440-975-0070
FAX: 440-975-0047
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THIS PRODUCT IS NOT DANGEROUS IN ITS UNUSED FORM AND CONTAINS NO HAZARDOUS INGREDIENTS.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIALS	PERCENT	CAS #
POLYPROPYLENE:	>97%	9003-07-0
ANTI STATIC AGENT	<0.3%	NONE
WHITE PIGMENT	< 1%	NONE
PINK PIGMENT	<1%	NONE
BLUE PIGMENT	< 1%	NONE

SECTION 4: FIRST AID MEASURES

NO SPECIAL PROCEDURES REQUIRED

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >315 DEGREES CELCIUS (ASTM D93)
FLAMMABLE LIMITS: NOT YET DETERMINED
EXTINGUISHING MEDIA: WATER, FOAM, CO2, DRY CHEMICAL
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EXPOSURE LIMITS: OSHA PEL: N/A **ACGIH TLV: N/A**

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VENTILATION: NONE REQUIRED
PROTECTIVE GLOVES: NONE REQUIRED ONLY IF MOLTAN
EYE PROTECTION: NONE REQUIRED
OTHER PROTECTIVE EQUIPMENT (SPECIFY): NONE REQUIRED

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COLOR: WHITE, BLUE
DENSITY: 0.04 - 0.06 gram/cc
ODOR: NO ODOR
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FLASH POINT: NOT APPLICABLE
BOILING POINT: NOT APPLICABLE
MELTING POINT: > 160 DEGREES CELSIUS
SOLUBILITY IN WATER: INSOLUABLE

PERCENT VOLATILE: NOT APPLICABLE
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HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH HAZARDS (acute or chronic): NONE
SIGNS OR SYMPTOMS OF EXPOSURE: NONE
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE
DATE ISSUED: November 19, 2014
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ENPAC, LLC

SECTION 1 - Chemical Product and Company Identification

Product Identifier: Perlite, Expanded, ENSORB Super Absorbent
Product Class: Amorphous Sodium Potassium Aluminum Silicate
Product Use: Industrial

ENPAC, LLC

34355 Vokes Drive
Eastlake, OH 44095
Phone (888) 473-3660

Preparation date of MSDS: September 22, 2014

SECTION 2 – Hazards Identification

Route of entry:

Skin contact: Repeated or prolonged contact may cause irritation

Skin absorption: N/A

Eye contact: May irritate or injure eyes, mechanically

Inhalation: Upper Respiratory Irritant: May aggravate pre-existing respiratory conditions.

Long-term inhalation of respirable crystalline silica can cause disabling lung disease (silicosis).

Ingestion: LD₅₀ not established, presumed over 2000 mg/kg

Emergency Overview: The fine particle size products represent inhalation hazards that can readily be controlled with appropriate dust protection equipment. Avoid processes that generate unnecessary dust.

WHMIS Symbols:



Potential Health Effects: See above regarding long term exposure: skin irritation, silicosis and eye irritation

SECTION 3 – Composition/Information on Ingredients

Product Description/Components: Expanded perlite powder or granules,
CAS# 93763-70-3

<u>Hazardous</u>			ACGIH		
<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>TLV, mg/cu.m.</u>	<u>NIOSH, mg/cu.m</u>	<u>OSHA PEL, mg/cu.m</u>
Quartz	14808-60-7	<0.1	0.025 (Respirable)	0.05 (Respirable)	0.1 (Respirable)

LD₅₀: Not Available

LC₅₀: Not Available

SECTION 4 – First Aid Measures

Skin Contact: Wash off with soap and water

Eye Contact: Flush eyes with generous amounts of water for at least 5 minutes. Inhalation: Remove to fresh air. Seek medical attention if victim is not breathing or uncomfortable.

Ingestion: Do not induce vomiting. Seek medical attention if victim is not breathing or uncomfortable.

SECTION 5 - Fire Fighting Measures

Flammable: No

Means of Extinction: Use extinguishing media appropriate for surrounding material.

Flashpoint (°C) and Method (oc or cc): N/A

Upper Flammable Limit (% by volume): N/A

Lower Flammable Limit (% by volume): N/A

Autoignition Temperature (°C): N/A

Explosion Data - Sensitivity to Impact: N/A

Explosion Data - Sensitivity to Static Discharge: High airborne concentrations of dusts are susceptible to explosions.

Hazardous Combustion Products: N/A

NFPA: Health: *(Refer to MSDS), Flammability: 0, Reactivity: 0, Other: None

HMIS Ratings: Health: *(See MSDS), Flammability: 0, Reactivity: 0, Personal Protection: E

SECTION 6 - Accidental Release Measures

Leak and Spill Procedures: Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended. Wetting spilled material with water may control dust and make clean up easier.

SECTION 7 - Handling and Storage

Handling Procedures and Equipment: Avoid creating unnecessary dust.

Storage Requirements: Store with other dusty materials, away from products that could be affected by dust.

SECTION 8 - Exposure Control/Personal Protection COMMENTS

Exposure Limits

ACGIH TLV: 10 mg/m³ total dust

3 mg/m³ respirable dust

OSHA PEL: 15 mg/m³ total dust

5 mg/m³ respirable dust

Engineering Controls

General: Good housekeeping rules apply

Local Exhaust from work stations using this material

Recommended Personal Protective Equipment:

- Plastic or Rubber Gloves if skin irritation occurs
- Respirator – NIOSH/OSHA approved dust respirator adequate for contaminant concentrations encountered.
- Eye protection recommended
- Disposable footwear for frequent handling of this material
- Coveralls for frequent handling of this material

SECTION 9 – Physical and Chemical Properties

Physical State: Solid powder or granules

Odor and Appearance: White to off white powder or granules with no odor

Odor Threshold (ppm): N/A

Specific Gravity: 2.35

Vapor Density (air=1): N/A

Vapor Pressure (mmHg): N/A

Evaporation Rate: N/A

Boiling Point (°C): N/A
Freezing Point (°C): N/A
pH: 6.5 – 7.5, as 10% slurry in distilled water
Coefficient of Water/Oil Distribution: N/A
Solubility in Water: Negligible

Visual Detection Method Only

SECTION 10 - Stability and Reactivity

Chemically Stable?: Yes

Incompatibility with other substances?

Yes: Hydrofluoric acid (HF)

Reactivity, and under what conditions?: Toxic silicon tetrafluoride gas will result with contact with hydrofluoric acid.

Hazardous Decomposition Products: See above

SECTION 11 - Toxicological Information

Effects of Acute Exposure: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), or in case of inhalation (irritant).

Effects of Chronic Exposure:

Irritancy of Product: Potential IRRITANT for Skin Sensitization,

Respiratory Sensitization: Upper Respiratory Irritant: May aggravate pre-existing respiratory conditions. Long-term inhalation of respirable crystalline silica can cause disabling lung disease (silicosis)

Carcinogenicity: These products contain less than 0.1% crystalline silica, and low percentages of particles of respirable size, hence present very low risk.

IARC: Not reviewed

ACGIH: PNOS (Particulates Not Otherwise Specified), Not carcinogenic

Reproductive Toxicity: Not available

Teratogenicity: Not established

Embryotoxicity: Not available

Mutagenicity: Ames: Not available

SECTION 12 – Ecological Information

Aquatic Toxicity: Low hazard for usual industrial or commercial handling. Approved for use in soils.

SECTION 13 – Disposal Considerations

Waste Disposal: Dispose of this product in accordance with all applicable local, state and Federal regulations.

SECTION 14 – Transport Information

Special Shipping Information

DOT: No special requirements

IMO: Non-hazardous

ICAO: Non-hazardous

SECTION 15 – Regulatory Information

WHMIS CLASSIFICATION: D2B (Toxic)

OSHA: Label as required by Hazard Communication Standard 29 CFR 1910.1200 (f) and applicable state and local laws and regulations

TSCA: Included as a naturally occurring material

CANADA DSL: Included or exempt

SECTION 16 – Other Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

Information provided in this document is believed to be accurate as of September 22, 2014 and may be subject to change without notice. The information is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.