

## SECTION 1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFIER:

**Product or Trade Name:** SlurryPRO® MPA

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

**Recommended Use(s)\*:** Drilling fluid additive, soil binding agent, fluid structuring agent, membrane enhancer, agglomeration aid, solids coagulant

\* The "Recommended Use(s)" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Use Application(s):** Professional Use Only

**Recommended Restrictions:** No restrictions on use known.

### 1.3 DETAILS OF THE SUPPLIER OF THE SUBSTANCE/MIXTURE AND SAFETY DATA SHEET:

**Manufacturer/Supplier:**

KB International LLC  
735 Broad Street  
Suite 209  
Chattanooga, TN 37402  
USA

**Telephone Number:** +1 (423) 266-6964

**E-mail:** [info@kbtech.com](mailto:info@kbtech.com)

### 1.4 EMERGENCY CONTACT AND TELEPHONE NUMBER:

**Emergency Contact:** ChemTel, Inc.

**Emergency Telephone Number:** +1 (800) 255-3924

### 1.5 OTHER MEANS OF IDENTIFICATION:

**Chemical Family:** proprietary copolymer, cationic

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

**Classification system:**

- The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

**Classification According to 2012 OSHA HCS; 29 CFR Part 1910.1200:**

The product is classified as not hazardous according to GHS regulations.

### 2.2 LABEL ELEMENTS:

**According to Globally Harmonized System, (GHS):**

The product does not require a hazard warning label in accordance with GHS criteria.

**Hazards Not Otherwise Classified:**

Very slippery when wet.

**Labeling of Special Preparations (GHS):**

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200:**

**Emergency Overview:**

- Caution - Slippery when wet!
- Use with local exhaust ventilation.
- Avoid dust formation.
- May cause eye irritation.
- Wear protective clothing.

**According to Regulation (EC) No. 1272/2008 [CLP]:**

The substance is classified as not hazardous according to regulation (EC)1272/2008 [CLP].

**According to Directive 67/548/EEC or 1999/45/EC:**

This mixture is classified as not hazardous according to 1999/45/EC.

**Information Concerning Particular Hazards for Human and Environment:**

**Ecological Evaluation(s):**

Based on the aquatic LC50s for components in this formulation for which we have aquatic toxicity data, this formulation would be characterized as having "low toxicity" to aquatic species.

**Precautionary Statement(s):**

**General:**

P103 ..... Read label before use.

**Prevention:**

- P264 ..... Wash hands thoroughly after handling
- P273 ..... Avoid release to the environment.
- P280 ..... Wear protective gloves, clothing, and eye protection.
- P285 ..... In case of inadequate ventilation wear respiratory protection.

**Response:**

P391 ..... Collect spillage.

**Storage:**

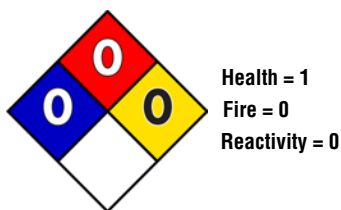
P404 ..... Store in a closed container.

**Disposal:**

P501 ..... Dispose of contents or container in accordance with local, regional, national, and/or international regulations.

**2.3 HAZARD DESCRIPTIONS:**

**NFPA Ratings (Scale 0 – 4):**



**HMIS Ratings (Scale 0 – 4):**

<b>Proprietary Cationic Copolymer</b>	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Health = 1  
Flammability = 0  
Physical Hazard = 0  
Personal Protection = B

**WHMIS 2015 - Symbols:** Not hazardous under WHMIS.

**Other Hazards:** Not hazardous substance or mixture.

**2.4 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS:**

**Results of PBT and vPvB Assessment:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200:**

*If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.*

**Emergency Overview:**

**Caution:**

- Causes eye irritation.
- May cause some irritation to the respiratory system if dust is inhaled.
- The statements are based on the properties of the individual components.
- Wear NIOSH-certified chemical goggles.
- Use NIOSH approved respirator as needed to mitigate exposure.
- Wear protective clothing.
- Caution - Slippery when wet!

**Note**

- This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 COMPONENTS OF SUBSTANCE OR MIXTURE:****According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

- This product does not contain any components classified as hazardous under the referenced regulation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:**

- No dangerous ingredients

**REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).**

- No applicable

**SECTION 4. FIRST-AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES:****After Clothing Contact:**

- Wash all soiled clothing before reuse.

**After Inhalation:**

- Remove person to fresh air and keep comfortable for breathing.
- No hazards which require special first aid measures.

**After Skin Contact:**

- Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- If skin irritation or a rash occurs get medical advice or attention.
- Wash all soiled clothing before reuse.

**After Eye Contact:**

- Wear appropriate protective equipment.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Remove contact lenses, if present and easy to do and continue rinsing.
- Alternatively, rinse immediately with Diphoterine®.
- Get prompt medical attention.

**After Ingestion:**

- Have victim rinse mouth and then drink plenty of water.
- Do not induce vomiting.
- Get medical attention immediately if symptoms occur.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:****Symptoms:**

- None under normal use.

**Hazards:**

- No hazard is expected under intended use and appropriate handling.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

- None under normal use.

**Note To Physician:****Treatment:**

- Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**Other Information:**

- None under normal use.

**SECTION 5. FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA:****Suitable Extinguishing Media:**

- Water, water spray, foam, carbon dioxide (CO<sub>2</sub>). Dry powder.

**Unsuitable Extinguishing Media:**

- None

**Additional Information:**

- If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE / CONDITIONS OF FLAMMABILITY:****Hazards During Fire-fighting:**

- Carbon oxides (CO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), hydrogen chloride, hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.
- The substances/groups of substances mentioned can be released in case of fire.

**Flammability Classification (OSHA 29 CFR 1910.106):**

- Not flammable.

**Auto Ignition Temp:**

- Non-combustible.

**5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:****Protective Equipment for Firefighters:**

- Wear a self-contained breathing apparatus and protective suit.

**Special Fire-Fighting Procedures:**

- The degree of risk is governed by the burning substance and the fire conditions.

**Further Information:**

- Spills produce extremely slippery surfaces.

**5.4 IMPACT SENSITIVITY:****Assessment:**

- Not shock-sensitive.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:****Personal Precautions:**

- Do not touch or walk through spilled material.
- Spills produce extremely slippery surfaces.

**Protective Equipment:**

- Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

**Emergency Procedures:**

- Keep people away from spill/leak.

**6.2 ENVIRONMENTAL PRECAUTIONS:**

- Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.
- Do not discharge into drains, water courses or onto the ground.
- If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:****For Small Spills:**

- Do not flush with water.
- Soak up with inert absorbent material. (sand, diatomite, acid binders, universal binders, sawdust).
- Sweep up and shovel into suitable containers for disposal.
- Dispose contaminated material as waste according to item 13.

**For Large Spills:**

- Do not flush with water.
- Dam up.
- Clean up promptly by scoop or vacuum.
- Send for recovery or disposal in suitable receptacles.
- Dispose contaminated material as waste according to item 13.

**Residues:**

- Soak up with inert absorbent material. (sand, diatomite, acid binders, universal binders, sawdust).
- After cleaning, flush away traces with water.

**Further Accidental Release Measures:**

- Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
- Avoid the formation and build-up of dust — danger of dust explosion.
- Dust in sufficient concentration can result in an explosive mixture in air.
- Non-sparking tools should be used.
- Handle to minimize dusting and eliminate open flame and other sources of ignition. Forms slippery surfaces with water.

**6.4 REFERENCE TO OTHER SECTIONS:**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

**SECTION 7. HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING:**

- Avoid contact with skin and eyes.
- Renders surfaces extremely slippery when spilled.
- When using, do not eat, drink or smoke.
- Handle in accordance with good industrial hygiene and safety practice.
- Obey all label warnings, especially during container cleaning.
- Do not remove label until container is thoroughly cleaned.
- Do not use container for food, feed or drinking water.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:****Storage:****Requirements to Be Met by Storerooms and Receptacles:**

- Store in cool, dry conditions in well sealed receptacles.
- Avoid storage near extreme heat, ignition sources or open flame.
- Freezing will affect the physical condition and may damage the material.

**Information About Storage in One Common Storage Facility:**

- Store away from foodstuffs.

**Unsuitable Materials for Containers:**

- None

**Storage Stability:**

- Avoid extreme heat.
- Avoid extreme cold and freezing temperatures.

**Protect from Temperatures Above:**

- 70 °C (158 °F)

**Protect from Temperatures Below:**

- 2 °C (35 °F)

**7.3 SPECIFIC END USE(S):**

- Apart from the uses mentioned in section 1.2, no further relevant information available.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:****Appropriate Engineering Controls:****Advice on System Design:**

- No further data; see section 7.

**8.1 CONTROL PARAMETERS:****Components with Occupational Exposure Limit Values that Require Monitoring at the Workplace:**

- None

**8.2 EXPOSURE CONTROLS:****Appropriate Engineering Controls:**

- Use local exhaust if misting occurs.
- Natural ventilation is adequate in absence of mists.

**Personal Protective Equipment:****General Protective and Hygienic Measures:**

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Do not inhale dust.
- Avoid contact with the eyes.
- Avoid long term contact with the skin.
- Ensure that washing facilities are available at the work place.

**Respiratory Protection:**

- No personal respiratory protective equipment normally required.
- When applicable suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g., EN 143, Type P2).
- For spills, respiratory protection may be advisable.

**Body Protection:**

- Light protective work clothing.
- Wear coveralls and/or chemical apron.
- Wear rubber footwear where physical contact can occur.

**Hand Protection:**

- *Chemical resistant protective gloves (EN 374).*
- \* Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

**Eye / Face Protection:**

- Safety glasses with side-shields (frame goggles) (e.g. EN 166).

**Other Protective Equipment:**

- An eyewash station and safety shower should be made available in the immediate working area.
- Other equipment may be required depending on workplace standards.

**8.3 GENERAL SAFETY AND HYGIENE CONSIDERATIONS:**

- Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.
- Wearing of closed work clothing is recommended.
- No eating, drinking, smoking or tobacco use at the place of work.
- Wash hands and face before breaks and immediately after handling the product.
- Wash hands before breaks and at the end of workday.

**Limitation and Supervision of Exposure into the Environment:**

- Do not allow uncontrolled discharge of product into the environment.

**Risk Management Measures:**

- See Section 7 for additional information.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:****Appearance:**

**Physical State:** ..... Liquid.  
**Form:** ..... Solution.  
**Color:** ..... Clear to slightly yellow liquid.

**Odor:** ..... Oderless.

**Odor Threshold (ppm):** ..... Not applicable.

**Molecular Formula:** ..... Trade Secret

**Molecular Weight:** ..... Trade Secret

**Specific Gravity (water = 1):** .....

**Bulk Density (at 20 °C or 68 °F):** .....

**pH (Value):** ..... 4.0 - 7.0 (in 10 g/l solution at 20 °C or 68 °F).

**Change In Condition:**

**Freeze Point:** ..... < 0 °C or 32 °F

**Melting Point:** ..... > 0 °C or 32 °F

**Melting Range:** ..... Not determined.

**Boiling Point:** ..... > 100 °C or 212 °F.

**Boiling Range:** ..... Not determined.

**Evaporation Rate:** ..... No data available.

**Flash Point (°C) [Closed cup]:** ..... Does not flash.

**Flammability (solid, gaseous):** ..... Not applicable.

**Danger of Explosion:** ..... Product does not present an explosion hazard in its supplied form.

**Explosive Properties:**

**Lower Explosion Limit:** ..... Not expected to create explosive atmosphere.

**Upper Explosion Limit:** ..... Not expected to create explosive atmosphere.

**Auto-ignition Temperature (°C):** ..... Does not self-ignite (based on the chemical structure).

**Minimum Ignition Energy (°C):** ..... Not applicable.

**Burning Number:** ..... 5

**Dust Explosion Class:** ..... Not applicable.

**Oxidizing Properties:** ..... Not expected to be oxidizing based on the chemical structure.

**Vapor Pressure (mm Hg):** ..... 2.3 kPa @ 20 °C

**Vapor Density (Air=1):** ..... 0.804 g/liter @ 20 °C

**Relative Density (g/ml @ 20 °C):** ..... 1.1 – 1.2

**Solubility / Miscibility (Water):** ..... Completely miscible.

**Solubility (Quantitative):** ..... No data available.

**Solubility (Qualitative):** ..... No data available.

**Partition Coefficient (n-octanol/water):** .. Study scientifically not justified.

**Auto-ignition Point (°C):** ..... Not self-igniting.

**Decomposition Temperature (°C):** ..... > 150 °C or 302 °F.

**Viscosity (mPa.s):**

**Dynamic:** ..... See Technical Bulletin.

**Kinematic:** ..... Not Applicable.

**Volatiles (% by weight):** ..... The product is a non-volatile solid.

**Volatile Organic Compounds (VOC's):** ..... Not Applicable.

**Absolute Pressure of Container:** ..... Not Applicable.

**Flame Projection Length:** ..... Not Applicable.

**Other Physical/Chemical Comments:** ..... If necessary, information on other physical and chemical parameters is indicated in this section.

**SECTION 10. STABILITY AND REACTIVITY****10.1 REACTIVITY:**

- Stable under recommended storage and use conditions.

**10.2 CHEMICAL STABILITY:**

- Stable under recommended storage conditions.

**Decomposition Products:**

- No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal Decomposition:**

- No decomposition if used and stored according to specifications.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

- None known.

**10.4 CONDITIONS TO AVOID:**

- Protect from frost, cold, heat, and sunlight.

**10.5 INCOMPATIBLE MATERIALS:**

- Strong acids, strong bases, strong oxidizing agents.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

- Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:****Information on Product as Supplied:****Acute Toxicity/Effects:****Assessment of Acute Toxicity:****Acute Oral:**

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

**Acute Dermal:**

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

**Acute Inhalation:**

- Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely: the substance has no vapor pressure and there is practically no exposure to inhalable aerosols.

**Irritation / Corrosion:****Assessment of irritating effects:****Skin:**

- Non-irritating to skin.

**Eye:**

- Slightly irritating.

**Respiratory/Skin Sensitization:**

- Not sensitizing to skin.
- No respiratory sensitization has been observed in the workplace.

**Aspiration Hazard:**

- No aspiration hazard expected.



**Chronic Toxicity/Effects:****Repeated Dose Toxicity:****Assessment of Repeated Dose Toxicity:**

- Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.

**Genetic Toxicity:****Assessment of Mutagenicity:**

- By analogy with similar products, this product is not expected to be mutagenic.

**Carcinogenicity:****Assessment of Carcinogenicity:**

- By analogy with similar substances, this substance is not expected to be carcinogenic.

**Carcinogenic Categories:**

<b>IARC (International Agency for Research on Cancer)</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen.
<b>OSHA - CA (Occupational Safety &amp; Health Administration)</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<b>NTP (National Toxicology Program)</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
<b>ACGIH (The American Conference of Governmental Industrial Hygienists)</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

**Reproductive Toxicity:****Assessment of Reproduction Toxicity:**

- By analogy with similar substances, this substance is not expected to be toxic for reproduction.

**STOT – Single Exposure:**

- No known effects.

**STOT – Repeated Exposure:**

- No known effects.

**Aspiration Hazard:**

- Due to the viscosity, this product does not present an aspiration hazard.

**Other Information:**

- The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

**Symptoms of Exposure:**

- No significant symptoms are expected due to the non-classification of the product.

**Additional Toxicological Information:**

- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**SECTION 12. ECOLOGICAL INFORMATION****12.1 TOXICITY:****Aquatic Toxicity:****Assessment of Aquatic Toxicity:**

- Acute effects on aquatic organisms are due to the cationic charge of the polymer, which is quickly neutralized in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter. The hydrolysis products are not acutely harmful to aquatic organisms. Tested was a substance with a high cationic charge density. As the acute effects are associated with the charge density, substances with a lower charge density are expected to have a lower toxicity.

**Toxicity to Fish:**

**Type Test:** LC50 (96 h)

**Method:** Static

**Species:** Fish

**Result:** 1 - 10 mg/l

**Aquatic Invertebrates:****Acute:**

*Type Test:* LC50 (48)

*Species:* Ceriodaphnia dubia

*Result:* 1.6 mg/l

*Comment:* Under static conditions in the presence of 10 mg/l humic acid.

**Chronic:**

*Type Test:* 7 d

*Species:* Ceriodaphnia dubia

*Result:* 0.96 mg/l

*Test Conditions:* Under static-renewal conditions in the presence of humic acid.

**Aquatic Plants:****Toxicity to Aquatic Plants:**

- The product has not been tested.

**12.2 PERSISTENCE AND DEGRADABILITY:****Information on Product as Supplied:****Degradation:**

- Not readily biodegradable.

**Hydrolysis:**

- Does not hydrolyze.

**Photolysis:**

- No data available.

**12.3 BIOACCUMULATIVE POTENTIAL:****Information on Product as Supplied:**

- The product is not expected to bioaccumulate.

**Degradation:**

- Not readily biodegradable.

**Partition Co-Efficient (LOG POW):** < 0

**Bioconcentration Factor (BCF):** ~ 0

**12.4 MOBILITY IN SOIL:****Information on Product as Supplied:****Assessment of Bioaccumulation Potential:**

- Exposure to soil is not to be expected.

**KOC:**

- No data available

**12.5 RESULTS OF PBT AND VPVB ASSESSMENT:**

**PBT:** Not applicable

**VPVB:** Not applicable

**12.6 OTHER ADVERSE ECOLOGICAL EFFECTS:**

- None.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS:****Unused Material and Residue:****Recommendations:**

- Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned (Contaminated) Packaging Disposal:**

**Recommendations:**

- Rinse empty containers with water and use the rinse-water to prepare the working solution.
- If recycling is not practicable, dispose of in compliance with local regulations.
- Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.
- Disposal must be made according to official regulations.

**Recommended Cleansing Agents:**

- Water, if necessary together with cleansing agents.

**Recycling:**

**Recommendations:**

- Store containers and offer for recycling of material when in accordance with the local regulations.

**RCRA:**

- Not a hazardous waste under RCRA (40 CFR 261).

**SECTION 14. TRANSPORTATION INFORMATION**

<b>14.1 UN Number: (DOT, ADR, ADN, IMDG, IATA)</b>	Not classified as a dangerous good under transport regulations.
<b>14.2 UN Proper Shipping Name: (DOT, ADR, ADN, IMDG, IATA)</b>	Not classified as a dangerous good under transport regulations.
<b>14.3 Transport Hazard Class(es): (DOT, ADR, ADN, IMDG, IATA)</b>	Not classified as a dangerous good under transport regulations.
<b>14.4 Packing Group: (DOT, ADR, IMDG, IATA)</b>	Not classified as a dangerous good under transport regulations.
<b>14.5 Environmental Hazard(s): Marine Pollutant:</b>	Not classified as a dangerous good under transport regulations.
<b>14.6 Special Precautions for User:</b>	No
<b>14.7 Transport in Bulk According to Annex II of MARPOL73/78 &amp; the IBC Code: UN "Model Regulation":</b>	Not classified as a dangerous good under transport regulations.

**Special Precautions for User:**

- None reported by the manufacturer.

**Environmental Hazards:**

- See ECOLOGICAL INFORMATION, Section 12.

**SECTION 15. REGULATORY INFORMATION**

**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE UNITED STATES (USA) COMPONENTS LISTED BELOW ARE PRESENT ON THE FOLLOWING U.S. FEDERAL CHEMICAL LISTS:**

**SARA:**

<b>Section 302 (Extremely Hazardous Substances Listings):</b>	None of the chemical substances in this product are subject to reporting.
<b>Section 311/312 (Hazardous Chemical Inventory):</b>	No SARA Hazards
<b>Section 355 (Extremely Hazardous Substances Listing):</b>	None of the chemical substances in this product are listed.
<b>Section 313 (Specific Toxic Chemical Listings):</b>	None of the chemical substances in this product are listed.
<b>TSCA (Toxic Substances Control Act):</b>	All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

**Clean Air Act:**

<b>Section 12 (40 CFR 61):</b>	This product does not contain any hazardous air pollutants (HAP)
<b>Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):</b>	None of the chemical substance(s) in this product are listed.

**Clean Water Act:**

<b>Section 311, Table 116.4A (List of Hazardous Substances):</b>	This product does not contain any hazardous substance(s) listed.
<b>Section 311, Table 117.3 (Reportable Quantities of Hazardous Substances List):</b>	None of the chemical substance(s) in this product are listed.
<b>Section 307 (Toxic and Priority Pollutants):</b>	This product does not contain any toxic or priority pollutants.

**Proposition 65 (California):**

<b>Chemicals Known to Cause Cancer:</b>	This product does not contain any hazardous substance(s) listed.
---	--



Chemicals Known to Cause Reproductive Toxicity for Females:	None of the chemical substance(s) in this product are listed.
Chemicals Known to Cause Reproductive Toxicity for Males:	None of the chemical substance(s) in this product are listed.
Chemicals Known to Cause Developmental Toxicity:	None of the chemical substance(s) in this product are listed.

**State RTKHS (Right to Know Hazardous Substance List):**

State	CAS Number	Chemical Name
Massachusetts	124-04-9	Adipic Acid
New Jersey	124-04-9	Adipic Acid
Pennsylvania	124-04-9	Adipic Acid

**Carcinogenic Categories:**

EPA (Environmental Protection Agency):	None of the chemical substance(s) in this product are listed.
IARC (International Agency for Research on Cancer):	None of the chemical substance(s) in this product are listed.
TLV (Threshold Limit Value Established by ACGIH):	None of the chemical substance(s) in this product are listed.
NIOSH-CA (National Institute for Occupational Safety and Health):	None of the chemical substance(s) in this product are listed.

**Canada:**

DSL (Canadian Domestic Substances List):	All of the chemical substance(s) in this product are either listed on the DSL Inventory or in compliance with a DSL exemption.
WHMIS (Workplace Hazardous Materials Information System)	None of the chemical substance(s) in this product are listed.
NPRI (The National Pollutant Release Inventory)	YES. On the inventory, or in compliance with the inventory.
CEPA (Canadian Environmental Protection Act)	YES. On the inventory, or in compliance with the inventory.
Canadian Ingredient Disclosure list (limit 0.1%)	None of the ingredients is listed.
Canadian Ingredient Disclosure list (limit 1%)	124-04-9 adipic acid

**Other Regulations, Limitations and Prohibitive Regulations:**

Substances of Very High Concern (SVHC) According to REACH, Article 57	None of the chemical substances in this product are listed.
---	---

**Switzerland:**

CH INV (New Notified Substances and Declared Preparations):	YES. Adipic acid has been notified.
---	-------------------------------------

**Germany:**

MAK (German Maximum Workplace Concentration):	None of the chemical substance(s) in this product are listed.
---	---

**Australia:**

AICS (Australia Inventory of Chemical Substance):	YES. On the inventory, or in compliance with the inventory.
---	---

**New Zealand:**

NZIoC (New Zealand Inventory of Chemical Substances):	NO. On the inventory, or in compliance with the inventory.
---	--

**Japan:**

ENCS (Existing and New Chemical Substances Inventory):	YES. On the inventory, or in compliance with the inventory
ISHL - (Inventory of Chemical):	YES. On the inventory, or in compliance with the inventory

**Korea:**

KECI (Korean Existing Chemicals Inventory):	YES. On the inventory, or in compliance with the inventory.
---	---

**Philippines:**

PICCS (Philippines Inventory of Chemicals and Chemical Substances):	YES. On the inventory, or in compliance with the inventory.
---	---

**China**

IEGSC (Inventory of Existing Chemical Substances in China):	YES. On the inventory, or in compliance with the inventory
---	--

For explanation of abbreviation see section 16.

**Further Information:**

- This product is to be considered as a preparation according to EU-legislation.

**15.2 CHEMICAL SAFETY ASSESSMENT:**

- A Chemical Safety Assessment has not been carried out.

**SECTION 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Legend:**

<b>ADRADR:</b>	Accord Européen sur le Transport des Marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>AICS:</b>	Australia Inventory of Chemical Substances
<b>CA:</b>	California
<b>CAS:</b>	Chemical Abstract Services (division of the American Chemical Society)
<b>CERCLA:</b>	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
<b>CFR:</b>	Code of Federal Regulations
<b>CH INV:</b>	Switzerland. New Notified Substances and Declared Preparations
<b>CSA:</b>	Canadian Standards Association
<b>DNEL:</b>	Derived No-Effect Level (REACH)
<b>DOT:</b>	Department of Transportation
<b>DSL:</b>	Canadian Domestic Substance List
<b>ECHA:</b>	European Chemical Agency
<b>ENCS:</b>	Japanese Existing and New Chemical Substances Inventory
<b>EPA:</b>	Environmental Protection Agency
<b>GHS:</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>HMS:</b>	Hazardous Materials Identification System
<b>HSDB:</b>	Hazardous Substances Data Bank
<b>IARC:</b>	International Agency for Research on Cancer
<b>IATA:</b>	International Air Transport Association
<b>ICAO:</b>	International Civil Aviation Organisation
<b>IECSC:</b>	Inventory of Existing Chemical Substances in China
<b>IMDG:</b>	International Maritime Dangerous Goods
<b>Inh:</b>	Inhalation
<b>ISHL:</b>	Japanese Inventory of Chemical Substances
<b>KECI:</b>	Korean Existing Chemicals Inventory
<b>LC:</b>	Lethal Concentration
<b>LD:</b>	Lethal Dose
<b>MA:</b>	Massachusetts
<b>MAK:</b>	German Maximum Workplace Concentration
<b>MN:</b>	Minnesota
<b>NFPA:</b>	National Fire Protection Association
<b>NIOSH:</b>	National Institute of Occupational Safety and Health
<b>NJ:</b>	New Jersey
<b>NTP:</b>	National Toxicology Program
<b>NZIoC:</b>	New Zealand Inventory of Chemical Substances
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>PA:</b>	Pennsylvania
<b>PEL:</b>	Permissible Exposure Limit
<b>PICCS:</b>	Philippines Inventory of Chemicals and Chemical Substances
<b>PNEC:</b>	Predicted No-Effect Concentration (REACH)
<b>RCRA:</b>	Resource Conservation and Recovery Act
<b>REACH:</b>	EC 1907/2006
<b>RI:</b>	Rhode Island
<b>RTECS:</b>	Registry of Toxic Effects of Chemical Substances
<b>SARA:</b>	Superfund Amendments and Reauthorization Act
<b>STEL:</b>	Short Term Exposure Limit
<b>TDG:</b>	Canadian Transportation of Dangerous Goods Act & Regulations
<b>TLV:</b>	Threshold Limit Values
<b>TSCA:</b>	Toxic Substance Control Act
<b>TWA:</b>	Time Weighted Average
<b>WHMIS:</b>	Workplace Hazardous Materials Identification System

**References:**

Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
 European Chemicals Agency, Classification Legislation, 2015  
 Material Safety Data Sheet from Manufacturer/Distributor.  
 OECD: Organization for Economic Co-operation and Development, 2015



# SAFETY DATA SHEET

# SlurryPRO® MPA

Version 1.0	For the New GHS SDS Standard	Revision Date: 12/15/2014
Version 1.1	Hazard and Precautionary Statements	Revision Date: 02/04/2015
Version 1.2	Updated Graphics	Revision Date: 03/09/2015
Version 1.3	UN#, ICC GHS Edits	Revision Date: 05/20/2015
Version 1.4	Edits in Section 9	Revision Date: 05/21/2015
Version 1.5	Edits to Section 5	Revision Date: 06/02/2015
Version 1.6	Additions to Section 9	Revision Date: 06/25/2015

**Other Special Considerations for Handling:**

- Provide adequate information, instruction and training for operators.

**Miscellaneous Hazard Classes:**

*Canadian Carcinogenicity Hazard Class: Not Applicable.*

*Physical Hazards Not Otherwise Classified (PHNOC): Not Applicable.*

*Health Hazards Not Otherwise Classified (HHNOC): Not Applicable.*

**KB International LLC**

735 Broad Street, Suite 300

Chattanooga, TN 37402

United States of America

Telephone: +1 (423) 266-6964    [info@kbtech.com](mailto:info@kbtech.com)

Main Fax: +1 (832) 202-0231    [www.kbtech.com](http://www.kbtech.com)

<b>Current Document Titled:</b> <i>Safety Data Sheet SlurryPRO® MPA</i>	<b>Supersedes Document Titled:</b> Safety Data Sheet " <i>SlurryPRO® MPA</i> "
<b>Current SDS Code:</b> " <i>SlurryPRO® MPA SDS 10/17/2016-gg-mw-FV</i> "	<b>Previous Document Date of Release:</b> 12/05/2014
<b>Revision Date:</b> 10/18/2016	<b>Version No. 3    Revision No. 8</b>
<b>Prepared By:</b> K. Gifford Goodhue, Jr.	<b>Verified By:</b> Mark Walters on 10/18/2016
<b>Issue Date:</b> 10/19/2016	<b>Print Date:</b> 10/19/2016

KB, Technology to Build On! are both registered trademark of KB International LLC. For more information on our products and services please visit: [www.kbtech.com](http://www.kbtech.com).

**DISCLAIMER:**

*The information in this material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the use and handling of this product in the context of the user's operations and use of this product. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current. No warranty is made as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. User must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. Nothing contained herein shall be construed as granting or extending any license under any patent.*

*The information provided in this Material 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.*

## End of Safety Data Sheet