



SoLong® residual dust control

SoLong® is a polymer based emulsion, in an easy to apply liquid form, which provides both short and long term dust suppression. It is used where PM10 and TSP must be suppressed at the source and maintained for downstream effectiveness as bulk materials such as coal, coke, limestone, sand, cement clinker, railroad ballast and sinter are loaded, unloaded, stockpiled and reclaimed.

From a single application point SoLong® will eliminate the need for further dust suppression in the handling process while minimizing spray equipment needs and reducing water use. It provides residual dust suppression in the handling process while minimizing spray equipment needs and reducing water use. SoLong® will not interfere with the processing or combustion of treated materials.

PRODUCT DESCRIPTION

SoLong® is a polymer based emulsion in an easy to apply liquid form which provides both short and long term dust suppression when loading, unloading, stockpiling, reclaiming and transporting materials. SoLong® provides residual dust suppression by binding the fine particles and holding them together even after the material has dried.

BENEFITS & PERFORMANCE

SoLong® is used where PM10 and TSP must be suppressed at the source and maintained for downstream effectiveness as bulk materials such as coal, coke, limestone, sand and sinter are loaded, unloaded, stockpiled and reclaimed. SoLong® from a single application point will eliminate the need for further dust suppression in the handling process while minimizing spray equipment needs and reducing water use. It provides residual dust suppression by binding the fine particles and holding them together even after the material has dried. It will not interfere with the processing or combustion of treated materials. SoLong® helps meet particulate air quality standards.

APPLICATION

SoLong® is mixed with water at a 100 parts water to 1 part SoLong® mix ratio. Application rates will vary depending upon material being treated and objective of application. Exact applications and dilutions will be determined by your technical representative.

PHYSICAL PROPERTIES

General Appearance:	Milky white liquid
Specific Gravity:	1.01 - 1.15
Density:	8.4 - 9.5 lbs/gal
pH:	4 - 7

SoLong® is proudly distributed in Africa and in Brazil by
International Commerce Group, Inc.



TECHNICAL SHEET

Product Description

SoLong[®] is a polymer based emulsion in an easy to apply liquid form which provides both short and long term dust suppression.

Benefits & Performance

SoLong[®] is used where PM₁₀ and TSP must be suppressed at the source and maintained for downstream effectiveness as bulk materials such as coal, coke, limestone, sand, cement clinker, railroad ballast and sinter are loaded, unloaded, stockpiled and reclaimed. SoLong[®] from a single application point will eliminate the need for further dust suppression in the handling process while minimizing spray equipment needs and reducing water use. It provides residual dust suppression by binding the fine particles and holding them together even after the material has dried. It will not interfere with the processing or combustion of treated materials. SoLong[®] helps meet particulate air quality standards.

Application

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Physical Properties

General Appearance:

Milky white liquid

Specific Gravity:

1.01 - 1.15

Density:

8.4 - 9.5 lbs/gal

pH:

4 - 7



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Emergency Phone Numbers: 330-456-3121

S O - L O N G®
Residual Dust Control Agent

MATERIAL SAFETY DATA SHEET

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: SO-LONG® RESIDUAL DUST CONTROL AGENT
CHEMICAL NAME: POLYMER EMULSION
SYNONYMS: DUST RETARDANT
CHEMICAL FAMILY: N/A
MOLECULAR WEIGHT: N/A
FORMULA: AQUEOUS ACRYLIC VINYL ACETATE POLYMER EMULSION
CAS REGISTRY NO.: PRODUCT A BLEND - NO NUMBER ASSIGNED

SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS REG NO.</u>	<u>WT. %</u>
Acrylic & Vinyl Acetate Polymer	Non-hazardous	5-50
Water	7732-18-5	95-50

SECTION III -- HAZARDS IDENTIFICATION

Acrylic & Vinyl Acetate Polymer Non-hazardous
Water Non-hazardous

SECTION IV -- FIRST AID MEASURES

EYES: Flush eyes with flowing water at least 15 minutes, get medical attention.
INHALATION: Move subject to fresh air.
SKIN: Flush with large amount of water or wash with soap and water.
INGESTION: Give water to drink. Call a physician.

**NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS
UNCONSCIOUS OR HAVING CONVULSIONS.**

SECTION V -- FIRE FIGHTING MEASURES

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FLASH POINT (TEST METHOD):	Non-Combustible
AUTOIGNITION TEMPERATURE:	N/A
EXTINGUISHING MEDIUM:	N/A
SPECIAL FIREFIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material can splatter above 212°F. Dried polymer film can burn but will not support combustion.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES:

Dike and control spill. Transfer liquid to containers for recovery or disposal. Keep spills out of sewers and open bodies of water.

SECTION VII -- HANDLING AND STORAGE

STORAGE:

Keep in a cool, dry, ventilated storage area and in closed containers. Avoid freezing temperatures. Minimize contact with the air to prevent microorganism contamination and reduce the formation of skins on the surface.

HANDLING:

Handle in a well ventilated work space.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None required if good ventilation is maintained.
VENTILATION:	Mechanical exhaust at point of contaminant.
EYE PROTECTION:	Chemical splash goggles recommended.
PROTECTIVE CLOTHING:	Impervious gloves recommended.
OTHER:	Under normal handling conditions, the risk of exposure to residual monomer is negligible.

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

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BOILING/MELTING POINT @ 760 mm Hg: 212°F
VAPOR PRESSURE mm Hg @ 20°C: 17
SPECIFIC GRAVITY OR BULK DENSITY: 1.01 to 1.15
SOLUBILITY IN WATER: Dilutable
APPEARANCE: Milky White Liquid
ODOR: Characteristic Acrylic odor
pH: 4.0 to 9.5

SECTION X -- STABILITY AND REACTIVITY

STABILITY: Stable
CHEMICAL INCOMPATIBILITY: No hazardous reactions are expected to occur under normal industrial conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide and water.
HAZARDOUS POLYMERIZATION: Does not occur
CONDITIONS TO AVOID: N/A
CORROSIVE TO METAL: No
OXIDIZER: No

SECTION XI -- TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION: Vapor from stored, undiluted product can cause headache and nausea.
SKIN: Stored, undiluted product is slightly irritating to skin.
EYES: Slightly irritating to eyes.
INGESTION: May be irritating to digestive tract.

<u>NAME</u>	<u>OSHA</u>		<u>ACGIH</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
Acrylic & Vinyl				

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Acetate Polymer	None	None	None	None
Water	None	None	None	None

SECTION XII -- ECOLOGICAL INFORMATION

Data shows that the LC₅₀ of SO-LONG® on goldfish is somewhere above 12,500 ppm. This is extremely low toxicity, especially in view of the legal requirement that chemicals must be labeled "toxic to fish" only if their LC₅₀ is less than 1.0 ppm.

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer or landfill. Incinerate solids and the contaminated diking material according to local, state and federal regulations.

CONTAINER DISPOSAL:

Do not re-use containers. Do not weld on metal containers.

SECTION XIV -- TRANSPORTATION INFORMATION

D.O.T. PROPER SHIPPING NAME (49CFR172.101):	None
HAZARDOUS SUBSTANCE (40CFR116):	N/A
REPORTABLE QUANTITY (RQ):	N/A
D.O.T. HAZARD CLASSIFICATION (49CFR172.101):	Non-regulated
D.O.T. PLACARDS REQUIRED:	None
POISON CONSTITUENT (49CFR173.343):	N/A

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BILL OF LADING DESCRIPTION: Liquid plastic, NOS
C NO.: N/A
UN/NA CODE: N/A

SECTION XV-- REGULATORY INFORMATION

SO-LONG® is not a restricted article according to the Department of Transportation and International Air Transport Association regulations.

EPA SARA Title III hazard class: None

OSHA HCS hazard class: Non-OSHA hazardous (29CFR1910.1200)

**EPA SARA Title III Section 313 (40CFR372)
Toxic Chemicals present in quantities greater
than the “de minimus” level are:** None

This product is not a “controlled product” under the Canadian Workplace Hazardous Material Information System (WHMIS)

SECTION XVI -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

N.D. - Not Determined
< - LESS THAN

N.A. - Not Applicable
> - MORE THAN

N.T. - Not Tested