

MATERIAL SAFETY DATA SHEET

MSDS Name Pump Primer
Air Way Bill

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name - Pump Primer
Catalog Numbers - 9
Synonyms - Concrete pump pipe lubricant
Company Identification - SEA GROUP

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
9002-89-5	modified polyvinylalcohol	30%	203-473-3

Hazard Symbols - flammable when heated to high temperature or close to flame. When burned fully, hazardous gas, such as oxycarbide, oxynitride, oxysulphide, etc is produced. When partial burned, carbonic oxide is produced.

Risk Phrases - Heating at high temperature or exposure to fire.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Eye - It may cause eye irritation if eye contact, this product isn't classified as eye irritant based on Chinese GHS.

Skin - It may cause mild irritation if skin contact, this product isn't classified as skin irritant based on Chinese GHS.

Ingestion & Inhalation - It may cause irritation to respiratory tract, this product isn't classified as respiratory allergic material based on Chinese GHS.

It may cause skin allergy reaction if skin contact, this product isn't classified as skin allergy material based on Chinese GHS.

It isn't classified as mutagenic and carcinogenic and reproductive toxicity substances.

SECTION 4 - FIRST AID MEASURES

Eyes - Rinse eyes thoroughly with flowing water immediately. If constant pain or recurrence existing, please seek medical attention.

Skin - Remove contaminated clothing. Wash skin with soap and water. If constant irritation existing, please seek medical attention.

Ingestion - Do not feed anything by mouth to delirious patient. If the intakes are too much, please seek medical attention.

Inhalation - Leave contamination zone, remove the patient to fresh air, please go to hospital and seek medical attention if necessary.

SECTION 5 - FIRE FIGHTING MEASURES

Appropriate respirator and protective clothing to be work. Extinguish the fire downwind. Remove the container from the fire to a safe place as soon as possible.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leakage of contaminated areas should be isolated and restrict access. Suggest the emergency personnel wear appropriate respirator and protective clothing. Prohibit contact or across the leakage. Avoiding contact with skin and eye. Avoid breathing dust/smoke.

General Information:

Spills/Leaks - Cut off the leak source in a timely manner. Using suitable inert materials to block or barriers to prevent the spread. Using suitable inert absorbable materials to cover and absorb the leakage. As much as possible to collect the leakage to clean container to use and dispose.

SECTION 7 - HANDLING and STORAGE

Handling - Consider recycle or recycle as much as possible primarily, and then consider to dispose related waste according to national and local applicable legislation.

Storage - Store in dry, cool, ventilated place. Keep container tightly closed. Away from fire, spark or hot surface. Avoid direct sunlight.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls - Ensure the workplace can adequate ventilation. Please wear appropriate respirator when dust appearing and the concentration in the air over the occupational exposure limit.

Personal Protective Equipment

Respiratory protection: Wear appropriate respirator if ventilation is not enough.

Eye protection: Wear the primary protective eyewear. Wear anti-splash protective eyewear or protective mask if splatter may happened. Provide emergency equipment to wash eye in the nearest working area.

Skin and body protection: Wear impermeable material of protective clothing and aporn

Hands protection: Wear impermeable material of protective gloves if the skin may contact with this product when operating.

Other protection: Operate according to the good industrial hygiene and safety measures.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State - Crystal powder Colour - White

Odor - Slight odor
pH - 10~12
Vapor Pressure - N/A
Viscosity - 3~70
Boiling Point - N/A
Freezing/Melting Point - N/A
Autoignition Temperature - N/A Flash Point - 79℃
Explosion Limits, lower - nonexplosive
Explosion Limits, upper - nonexplosive
Decomposition Temperature - above 200℃
Solubility in water - soluble in water
Specific Gravity/Density - N/A
Molecular Formula - $[C_2H_4O]_n$
Molecular Weight - 44.05

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability - It is stable based on normal operation and storage condition

Conditions to Avoid - Spark, fire, hot surface and heating by high temperature.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS# - acute toxicity

acute oral toxicity: LD50 > 5000 mg/kg

Acute Inhalation Toxicity - N/A

Acute cutaneous toxicity: LD50

Corrosive and irritating to the skin: > 5000 mg/kg

.It may cause mild irritation if skin contact, this product isn't classified as skin irritant based on Chinese GHS.

eye injury occurs/ irritation - It may cause eye irritation if eye contact, this product isn't classified as eye irritant based on Chinese GHS.

Inhalation and Skin allergy - It may cause irritation to respiratory tract, this product isn't classified as respiratory allergic material based on Chinese GHS

It may cause skin allergy reaction if skin contact, this product isn't classified as skin allergy material based on Chinese GHS. It isn't classified as mutagenic and carcinogenic and reproductive toxicity substances.

Specific target organ systemic toxicity

one time contact - N/A。

Specific target organ systemic toxicity repeatedly contact - N/A。

inhalation hazard - N/A。

SECTION 12 - ECOLOGICAL INFORMATION

生态学信息

Ecotoxicity - Toxicity in fish: LC50 = 0.69 mg/l/96h

Poecilia reticulata Peters

Aquatic invertebrates toxicity: EC50 = 1.06 mg/l/24h (Daphnia magna)

Toxicity of aquatic plants: EC50

Persistence and degradability: > 0.093 mg/l/72h this product can hydrolyze in damp water environment. product can rapid biodegradable, Flask-shaking test show 32days CO2 release rate in theory (ThCO2 ThCO2 potential bioaccumulation:) 3.4%. BCF: 130, Log Kow: 2.82 - 3.56:

This product may have potential bioaccumulation - Mobility in the soil: Koc: 2300, Log Kow: 2.82 - 3.56:

This product may have slight mobility in the soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

Product: 。 Consider recycle or recycle as much as possible primarily, and then consider to dispose related waste according to national and local applicable legislation.

Contaminated packaging - Wash by suitable cleanser, return the empty container to manufacturer or dispose according to national and local applicable legislation.

Matters need attention(waste) - Refer to national and local applicable legislation before disposing, avoid to pollute the environment when disposing.

***** SECTION 14 - TRANSPORT INFORMATION *****

Matters need attention(transportation) - The transport vehicles should be equipped with the appropriate variety

and quantity of fire equipment and emergency equipment leakage. Transportation process to ensure that the container does not leak, does not collapse, does not fall and no damage is caused. Insulate from rain and heat when transporting. Stay away from fire, heat source when the stopover.

Reported by: (报告人)

Company Name : SEA GROUP

Date: 2016-7-14

Authorized Person: Shelly Wu

Signature: _____