



SAFETY DATA SHEET

PETROCHEM, INC.
4111-D, N.W. 132ND STREET
OPA-LOCKA, FLORIDA 33054 U.S.A

EMERGENCY CONTACT: CHEMTREC
1-800-424-9300 (INTERNATIONAL 1-703-527-3887 – COLLECT CALLS ACCEPTED)

P-SL100

CHEMICAL CODE: P-SL100
PRODUCT NAME: SPHERICAL LITE 100 ADDITIVE
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: NOVEMBER 23, 2010



NFPA RATING:

HEALTH HAZARD: 0 FLAMMABILITY: 0 REACTIVITY: 0 OTHER:

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

<u>Nominal Composition:</u>	(Typical values-not specifications)	<u>CAS Number</u>
FLY ASH		
SILICON DIOXIDE		014808-60-7
ALUMINUM OXIDE		001344-28-1
FERRIC OXIDE		001309-37-1
QUARTZ		014808-60-7

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Inert	FORM:	Powder
COLOR:	White	ODOR:	Odorless
VAP. DENSITY: (air = 1):	Not applicable	% SOL. IN WATER:	Insoluble
pH:	Not Determined	SP. GRAVITY:	0.60
POUR PT.:	Not Determined	BOILING PT.:	Not Determined
VAP. PRESSURE:	Not Determined	WT% VOLATILE:	< 6

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: Will not burn

FLASH PT.: >200 deg F > 93 deg C **METHOD USED:** NA

FLAMMABLE LIMITS (STP IN AIR) LFL: Not applicable **UFL:** Not applicable

EXTINGUISHING MEDIA: Water Fog, Alcohol Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: Wear protective firefighting clothing and avoid breathing vapors. Use self-contained breathing apparatus in closed areas.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Strong acids, (Hydrofluoric acid, fluorides)

HAZARDOUS DECOMPOSITION: None.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes while holding eyelids open. See a doctor if irritation occurs.

SKIN CONTACT: Wash thoroughly with soap and water. Apply moisturizing cream or lotion to avoid skin dryness. Wash clothes thoroughly before reusing. See a doctor if irritation occurs.

SWALLOWING: If several grams are swallowed, give 2 glasses of milk (preferred) or water and consult physician.

INHALTION: Remove from dusty area to fresh air. See a doctor if effects occur.

NOTES: Micro silica is of low toxicity. Acute poisoning caused by handling micro silica is not relevant. Annual physical exam, lung function testing, and chest X-ray are recommended.

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENTCODE: Q6

VENTILATION: General and local ventilation is required.

RESPIRATORY PROTECTION: Use NIOSH approved respirator with dust and mist protection (3M No. 8710).

PROTECTIVE CLOTHING: Clean, body covering clothing and cotton gloves.

EYE PROTECTION: Subject to local safety rules. Chemical goggles required and an eyewash in work area.

EXPOSURE GUIDELINES: TLV is 10 mg/m³ for total dust and 0.1 mg/m³ for silica (Quartz) respirable fraction.

PEL is 15 mg/m³ for total dust and 5 mg/m³ for respirable fraction (OSHA 85).



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

AFTER SPILLAGE/LEAKAGE: Scoop into containers. Flush residual with plenty of water.

SPECIAL HANDLING: Scoop into containers. Flush residual with plenty of water. Avoid handling procedures that generates airborne dust.

Store away from hydrofluoric acid and fluorides.

DISPOSAL METHOD FOR:

PRODUCT: Hazardous waste landfill. Material may be acceptable in some sanitary landfills; check local regulations.

EPA HAZARDOUS WASTE NUMBER: None

CONTAINER: Dispose of according to applicable federal, state, and local rules for non-hazardous solid waste materials. Send empty bags to sanitary landfill. Render other types of containers unusable by puncturing or crushing and send to sanitary landfill.

DEGRADABILITY: Not biodegradable

FISH TOXICITY: No information

ANIMAL TOXICITY: Low toxicity to mammals.

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

PRINCIPAL HAZARD (E=Eye, S=Skin, I=Inhale): E, I

EYE CONTACT: Irritant. May cause pain, redness, discomfort.

SKIN CONTACT: No effect expected. Prolonged or repeated contact may cause mild irritation.

SWALLOWING: No effect expected. Swallowing large amounts may cause illness.

OTHER: Crystalline silica is listed by IARC as suspected of causing cancer in humans.

SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: Keep material dry.

PHYSICAL HAZARD: Dust.

HANDLING AND STORAGE PRECAUTIONS: Keep material dry.

PACKAGING INFORMATION: Paper bag (minimum 3 ply), or other industrial container designed for powders and granulated materials.

The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Petrochem, Inc. regarding the accuracy or completeness of the information.



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SHIPPING INFORMATION

ID NUMBER (UN # OR NA #): FLASH PT. >200 deg F, >93 deg C
BOILING PT. Not determined

ICC TARIFF CLASSIFICATION: Compound, Gas or Oil Well Drilling
ICC Item Number: 138640 ICC Class: 50 LTL 35 TL

DEPARTMENT OF TRANSPORTATION - DOT

Description: Not Regulated
Hazard Class: Not Regulated
Shipping Name: Not Regulated
DOT Label:
Comment:
DS Tank Ex. #: N/A
CERCLA RQ: Not established

US FOREIGN TRADE SCHEDULE B# (EXPORT): 417.1900

CANADIAN SHIPMENTS -

Shipping name:
Special Provision:
Classification:

ICAO Class: Pkg Group:

WATER SHIPMENT (IMO)

Shipping Name: Not regulated
Label(s):
Class: Pkg Group: IMDG Page:

MARPOL:

AIR SHIPMENTS (IATA)

Shipping Name: Not regulated
Label(s)
Class: Sub Risk: Pkg Group:
Passenger Aircraft Pkg. Instr. Max. Net Qty. /Pkg.
Cargo Aircraft Only Pkg. Instr. Max. Net Qty. /Pkg.

EUROPEAN ECONOMIC COMMUNITY (EEC)

Risk Phrases: Safety Phrases:

Classification (Label):

Label Description:

ADR Class: Not regul. RID Class: TREM Card:

Hazard Classification:

Comment: