



SAFETY DATA SHEET

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

P-MS3 & P-MS3L

CHEMICAL CODE: P-MS3 & P-MS3L
PRODUCT NAME: MICRO SILICA 3
MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: OCTOBER 10, 2012



NFPA RATING:

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

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

Nominal Composition: (Typical values-not specifications)

Soda Lime Borosilicate Glass
Amorphous Silica

CAS Number

65997-17-3
7631-86-9

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Inert	FORM:	Low density fine powder
COLOR:	Gray	ODOR:	Odorless
VAP. DENSITY:	N/A	% SOL. IN WATER:	Insoluble
pH:	Basic	SP. GRAVITY:	2.1
POUR PT.:	3115°F	BOILING PT.:	3992°F
VAP. PRESSURE:	Not determined	WT% VOLATILE:	< 0.5% by WT.

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: No unusual fire or explosion hazards are anticipated

FLASH PT.: >212°F

METHOD USED: Calculated

FLAMMABLE LIMITS (STP IN AIR) LFL: NA **UFL:** NA

EXTINGUISHING MEDIA: Non-combustible. Choose material suitable for surrounding fire. Compatible with all types.

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, facemask, and protective covering for exposed area of the head.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION: Silicon tetra fluoride when dissolved in hydrofluoric acid.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes while holding eyelids open. Get medical attention immediately.

SKIN CONTACT: Wash thoroughly with soap and water. See a doctor if irritation occurs.

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

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

NOTES:

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE:

VENTILATION: Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation at transfer points. Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION: Avoid breathing of dust. Select one of the following NIOSH approved respirators with dust and mist protection (3M8710) based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask supplied air respirator, full-face dust respirator, full-face high efficiency filter respirator, and full-face supplied air respirator.

PROTECTIVE CLOTHING: Avoid skin contact. Wear appropriate gloves when handling this material. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

EYE PROTECTION: Avoid eye contact. Wear unvented chemical goggles during operations in which exposure is likely, and have eyewash available in work area.

EXPOSURE GUIDELINES:



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

SPECIAL HANDLING: Ventilate area. Vacuum; use wet sweeping compound or water to avoid generating airborne dust. Caution! A vacuum cleaner could be an ignition source. Place in an approved metal container.

DISPOSAL METHOD FOR:

PRODUCT: Hazardous waste landfill. Dispose of by sanitary landfill or other acceptable method in accordance with local regulations.

EPA HAZARDOUS WASTE NUMBER: None

CONTAINER: Since regulations vary, consult applicable federal, state, and local authorities for disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

DEGRADABILITY: No information

FISH TOXICITY: Low toxicity to fish

ANIMAL TOXICITY: No information

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

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

EYE CONTACT: Mechanical eye irritation: Irritant, redness, discomfort, scratching of the cornea and tearing.

SKIN CONTACT: Mechanical skin irritation. Prolonged or repeated contact may cause mild irritation, itching, redness.

INHALTION: Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing, and sneezing.

SWALLOWING: Irritation of gastrointestinal tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomit, and blood in feces.

OTHER: Lung damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: Avoid generating dust

PHYSICAL HAZARD: Dust.

HANDLING AND STORAGE PRECAUTIONS: Keep container dry. Keep container closed when not in use. Keep out of reach of children.

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

ADDITIONAL INFORMATION: None.

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.: > 212°F

Boiling Pt.: 3992°F

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. #:

Cercla RQ:

US Foreign Trade Schedule B# (Export):

Canadian Shipments-

Shipping name:

Special provisions:

Classification:

ICAO Class:

Pkg Group:

Water Shipments (IMO)-

Shipping name:

Lable(s):

Class:

Pkg Group:

IMDG Page:

MARPOL:

Air Shipments (IATA)-

Shipping name:

Lable(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 Phrase:

Safety Phrases:

Classification (Lable):

ADR Class:

RID Class:

TREM Class:

Hazard Classification:

Comment: