

Slipnomor 2000C MSDS (MATERIAL DATA SAFETY SHEET)

Chemical Product / Company Identification

Material Identification: Slipnomor 2000C is a registered trademark of Stagestep Inc.

Corporate MSDS Number: DU006700

CAS Name: SILICA

Trade names and Synonyms

SILICON DIOXIDE
AMORPHOUS SILICA

Trade names and Synonyms (Remarks)

GRADE : HS-40, HS-30, TM-40, TM-50, SM, TMA, AM, FM,
AS-30, AS-34, AS-40, FM-AS, SM-AS, DF, ULP

Company Identification

MANUFACTURER / DISTRIBUTOR : STAGESTEP INC
4701 BATH ST. BLDG 46B
PHILADELPHIA PA 19137

PHONE NUMBERS:

PRODUCT INFORMATION: 1-800-441-7515
TRANSPORT EMERGENCY CHEMTEC: 1-800-424-9300
MEDICAL EMERGENCY : 1-800-441-3637

COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS MATERIAL	CAS NUMBER	%
AMORPHOUS SILICA	7631 - 86 - 9	14.5 – 50
TITRATABLE ALKALI (AS NA 20)	1313 - 59 - 3	0.05 – 0.56
WATER	7732 - 18 - 5	50 – 86

HAZARDS IDENTIFICATION

Potential Health Effects

HUMAN HEALTH EFFECTS:

Overexposure by skin or eye contact may include skin irritation with discomfort or rash; or eye irritation with discomfort, tearing, or blurring of vision. By inhalation, the effects may include temporary lung irritation with cough, discomfort, difficulty breathing and shortness of breath.

CARCINOGENICITY INFORMATION

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA OR ACGIH as a carcinogen.

FIRST AID MEASURES

FIRST AID

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. CALL PHYSICIAN.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
CALL PHYSICIAN

INGESTION

No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult a physician.

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Will not burn.

EXTINGUISHING MEDIA

Use media appropriate for surrounding material.

FIRE FIGHTING INSTRUCTIONS

None.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) Sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during cleanup.

Spill Clean Up

Flush with water to chemical sewer.

HANDLING AND STORAGE

HANDLING (PERSONNEL)

Avoid contact with eyes, skin, or clothing. Wash Thoroughly after handling.
Avoid breathing aerosols and mists (also dust from dried-down product). Wash Contaminated clothing before reuse and before "LUDOX" dries.

HANDLING AND STORAGE (continued from page 2)

STORAGE

Keep container tightly closed.

Store at temperatures above 2 C (35 F) to avoid irreversible precipitation of silica.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Use sufficient ventilation to keep employee exposure below recommended limits.

PERSONAL PROTECTIVE EQUIPMENT

Have available and wear as appropriate: chemical splash goggles and rubber gloves. Where there is potential for inhalation exposure to product dust, mist, or aerosols in excess of applicable exposure limits, wear NIOSH approved respiratory protection.

EXPOSURE GUIDELINES (UPDATED)

EXPOSURE LIMITS

Ludox Colloidal Silica

PEL (OSHA)	NONE ESTABLISHED
TLV (ACGIH)	NONE ESTABLISHED
AEL (DUPONT)	2 mg / m ³ , 8 hr TWA, as respirable silica dust

OTHER APPLICABLE EXPOSURE LIMITS

AMORPHOUS SILICA

PEL (OSHA)	80 mg/m ³ / % SiO ₂ – 8 hr TWA
TLV (ACGIH)	10 mg/m ³ , total dust, 8hr TWA
AEL (DUPONT)	3 mg/m ³ , 8 hr TWA, respirable dust

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DATA

Boiling Point	100 C (212 F) @ 760 mm Hg Liquid component is water.
Vapor Pressure	24 mm Hg @ 25 C (77 F) 48 mm Hg @ 38 C (100 F)
Vapor Density	Vapor is water.
Melting Point	0 C (32 F)
Evaporation Rate	<1 (Butyl Acetate = 1.0)
Solubility in Water	100 WT%
pH	4.0 – 11.5
Odor	Odorless

PHYSICAL DATA (continued from Page 3)

Form	Liquid
Color	Clear to opalescent
Specific Gravity	1.09 – 1.40

Titratable Alkali (as Na₂O) WT. % = 0 – 0.55

Silica WT. % = 10 – 50

For additional information specific to the various grades, please see the appropriate PUSH Bulletins

STABILITY AND REACTIVITY

CHEMICAL STABILITY

No known hazardous instability.

INCOMPATIBILITY WITH OTHER MATERIALS

Incompatible or can react with water reactive materials.

DECOMPOSITION

No known hazardous decomposition.

POLYMERIZATION

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

ANIMAL DATA

SLIPNOMOR 2000 C - COLLOIDAL SILICA
Oral LD50: > 10,000 mg / kg in rats

The compound is a slight skin irritant and mild eye irritant. Toxic effects described in animals, from single inhalation exposures include upper respiratory irritation, lung congestion, bronchitis, and emphysema. Repeated inhalation exposures at concentrations of 50 or 150 mg/m³ produced increased lung weights and lung changes. No progressive pulmonary fibrosis was seen, and the observed lung changes were reversible. No adverse effects were observed in this study at 10 mg/m³. By ingestion, effects from single high doses include weight loss and irritation. Repeated ingestion exposures produced nonspecific effects, such as, weight loss and diarrhea. Effects observed in animals exposed by intratracheal instillation for one to two years included fibrosis of the lungs.

ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

The 48 hour EC50 in Daphnia magna was >5000 mg/L
The 95 hour LC50 in fathead minnows was > 5000 mg/L

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Comply with Federal, State, and Local regulations.

TRANSPORTATION INFORMATION

SHIPPING INFORMATION

NOT REGULATED AS A HAZARDOUS MATERIAL BY DOT, IMO, OR IATA

SHIPPING CONTAINERS

Tank Cars
Tank Trucks

55 gallon PE drums
55 gallon PE-lined Steel drums

ISO Tanks
Tote Bins

REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA INVENTORY STATUS Reported / Included
TITLE III HAZARD CLASSIFICATIONS SECTIONS 311 AND 312

Acute : Yes
Chronic : Yes
Fire : No
Reactivity : No
Pressure : No

HAZARDOUS CHEMICAL LISTS

SARA Extremely Hazardous Substance	No
CERCLA Hazardous Substance	No
SARA Toxic Chemical	See Components Section

CANADIAN REGULATIONS:

This is not a WHMIS Controlled Product

OTHER INFORMATION

NFPA, NPCA – HMIS

NPCA – HMIS Rating	
Health	1 (Chronic Health Effects)
Flammability	0
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

ADDITIONAL INFORMATION

For further information see www.stagestep.com
Phone: 800 523 0960

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.