MATERIAL SAFETY DATA SHEET

SODIUM BIS-(TRIMETHYLSILYL)-AMIDE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Sodium bis-(trimethylsilyl)-amide, 98+ %

N-Sodiumhexamethyldisilazane

Company Identification:
Alkali Metals Ltd.,
Plot B-5, Block III, IDA Uppal
Hyderabad, India - 500 039
Tel :- 0091 40 2756 3002 / 2720 1179
Fax :- 0091 40 2756 2634
Email :- alkalimetals@alkalimetals.com

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	%	EINECS#
1070-89-9	Sodium bis(trimethylsilyl)amide	98+ %	213-983-8

Hazard Symbols: C
Risk Phrases: 15 34

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Appearance: slightly yellow.
Moisture sensitive.
Target Organs: None.

Potential Health Effects
Eye: Contact with eyes may cause severe irritation, and possible eye burns.
Skin: May cause severe irritation and possible burns.
Ingestion: Not available.
Inhalation: May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Causes chemical burns to the respiratory tract.
Chronic: Not available.

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.
Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.
Inhalation: Remove from exposure to fresh air immediately.
Notes to Physician: Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Do NOT use water directly on fire. Use foam, dry chemical, or carbon dioxide.
Autoignition Temperature: Not available.
Flash Point: Not available.
NFPA Rating: Not published.
Explosion Limits, Lower: Not available.
Upper: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up, then place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling: Not available.
Storage: Water free area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits			
Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium bis(trimethylsilyl) amide, 98+ %	None listed	6 mg/m3 TWA(listed under SILICA, AMORPHOUS). 3000mg/m3 IDLH (listed under SILICA,AMORPHOUS).	none listed

OSHA Vacated PELs:Sodium bis(trimethylsilyl)amide, 98+ %: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes:Wear safety glasses and chemical goggles if splashing is possible.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:Wear appropriate protective clothing to minimize contact with skin.
Respirators: Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Not available.
Appearance	:	slightly yellow
Odor	:	None reported.
Ph	:	Not available.
Vapor Pressure	:	Not available.
Vapor Density	:	Not available.
Evaporation Rate	:	Not available.
Viscosity	:	Not available.
Boiling Point	:	Not available.
Freezing/Melting Point	:	171.00 - 175.00 deg C
Decomposition Temperature	:	Not available.
Solubility	:	Not available.
Specific Gravity/Density	:	Not available.
Molecular Formula	:	$C_6H_{18}NSi_2Na$
Molecular Weight	:	183.38

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Not available.
Incompatibilities with Other Materials:Strong oxidizing agents - strong acids - moist air or water.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen, silicon oxide.
Hazardous Polymerization: Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 1070-89-9 unlisted.
LD50/LC50: Not available.
Carcinogenicity: Sodium bis(trimethylsilyl)amide, 98+ % -
IARC: Group 3 carcinogen (listed as SILICA, AMORPHOUS).

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: Nonelisted.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.
Not listed as a material banned from land disposal according to RCRA.

SECTION 14 - TRANSPORT INFORMATION

US DOT
Shipping Name: CORROSIVE SOLID, N.O.S.*
Hazard Class: 8
UN Number: 1759
Packing Group: III
IMO
Shipping Name: CORROSIVE SOLID, N.O.S.
Hazard Class: 8
UN Number: 1759
Packing Group: III
IATA
Shipping Name: CORROSIVE SOLID, N.O.S.*
Hazard Class: 8
UN Number: 1759
Packing Group: III
RID/ADR
Shipping Name: CORROSIVE SOLID, N.O.S.
Dangerous Goods Code: 8(65C)
UN Number: 1759
Canadian TDG
Shipping Name: CORROSIVE SOLID NOS (SODIUM BIS(TRIMETHYLSILYL)
Hazard Class: 8(9.2)
UN Number: UN1759
Other Information: AMIDE)

SECTION 15 - REGULATORY INFORMATION

US FEDERAL

TSCA: CAS# 1070-89-9 is listed on the TSCA inventory.
Health & Safety Reporting List:None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.
Section 12b: None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ):None of the chemicals in this material have an RQ.
Section 302 (TPQ):None of the chemicals in this product have a TPQ.
Section 313:No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Sodium bis(trimethylsilyl)amid can be found on the following state right to know lists: California, (listed as SILICA, AMORPHOUS), New Jersey, (listed as SILICA, AMORPHOUS), Florida, (listed as SILICA, AMORPHOUS), Pennsylvania, (listed as SILICA, AMORPHOUS), Minnesota, (listed as SILICA, AMORPHOUS), Massachusetts, (listed as SILICA, AMORPHOUS).
California No Significant Risk Level: None of the chemicals in this product are listed.
European/International Regulations European Labeling in Accordance with EC Directives
Hazard Symbols: C

Risk Phrases:

R 15 Contact with water liberates highly flammable gases.
R 34 Causes burns.
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 1070-89-9:
Canada
None of the chemicals in this product are listed on the DSL/NDSL list.
This product does not have a WHMIS classification.
CAS# 1070-89-9 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Alkali Metals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Alkali Metals has been advised of the possibility of such damages.