

VAN AIR SYSTEMS



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U.S. Department of Labor Occupational
Safety and Health Administration (non-
mandatory form)

May be used to comply with OSHA's
Hazard Communication Standard, 29
CFR 1910.1200. Standard must be
consulted for specific requirements.

Material Safety Data Sheet

Section 1 – Chemical Product Information

Date Prepared: April 1, 2009

Product: **Silica Gel (Indicating & Non-Indicating)**
Indicating (Blue Bead); Non-Indicating (White Bead)

Part No.: 33-0105, 33-0243 thru 33-0247, 33-0248, 33-0249, 33-0315, 33-0316,
33-0317 & 38-0106

SILICA GEL	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PROTECTIVE EQUIPMENT	E

Section 2 – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity/Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
Silica, Amorphous, SiO ₂ (CAS No. 63231-67-4)		10 Mg/m ³	(No Hazard)	99-100%
Cobalt Chloride, CoCl ₂ (Indicator Only) (CAS No. 7646-79-9)			Harmful	0.5

The synthetic aluminosilicate in this product is amorphous and does not contain any crystalline forms. It should not be confused with crystalline silica or any other naturally occurring forms that normally contain crystalline silica.

Section 3 – Physical Chemical Characteristics

Boiling Point:	Not applicable.
Specific Gravity (Water=1):	Not applicable.
Vapor Pressure (mm Hg):	Not applicable.
Melting Point:	>1,000°C
Vapor Density (Air=1):	Not applicable.
Solubility in Water:	Insoluble.
Evaporation Rate (Butyl Acetate=1):	Not applicable.
Appearance and Odor:	Indicator = blue (dry) or pink (wet) odorless beads – 3.5 mm diameter. Non-Indicator = white odorless beads – 3.5 mm diameter.

Section 4 – Fire and Explosion Hazard Information

Flammable Properties	
Flash Point:	Not applicable.
Method Used:	Not applicable.
Flammability Limits	
LEL:	Not applicable.
UEL:	Not applicable.
Fire Fighting Instructions:	Non-flammable.
Extinguishing Media:	As necessary for surrounding fire.
Unusual Fire and Explosion Hazards:	When handling near flammable gases or vapor take precautionary measures against static discharges when pouring.

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Section 5 – Reactivity Information

Stability (Conditions to avoid):	Stable. (Handling near flammable gases or vapors.)
Incompatibility (Materials to avoid):	None expected.
Hazardous decomposition/byproducts:	None expected.
Hazardous Polymerization:	Will not occur.

Section 6 – Health Hazard Information

Potential Health Effects:	Inhalation, ingestion, skin and eye contact.
Health Hazards (acute and chronic):	None known.
Carcinogenicity:	No.
NTP:	No.
IARC Monographs:	No. (Yes for indicating material)
OSHA Regulated:	No.
Signs and Symptoms of Exposure:	Generally aggravated by exposure desiccant action may cause skin dryness or eye irritation. NOTE: Indicator Only – LD50 (oral, rat): 766 Mg/Kg (for Cobalt Chloride Hexahydrate, RTECS 1985-86).
Emergency and First Aid Procedures	
Eyes:	Flush with water for at least 15 minutes.
Skin:	Wash with soap and water.
Inhalation:	Remove to fresh air. If unconscious seek immediate medical attention.
Ingestion:	
Physicians Note:	Indicator Type Only: Beads impregnated with Cobalt Chloride, therefore induce vomiting if victim has swallowed large quantities.

IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION

Section 7 – Precautions for Safe Handling and Use

Small/Large Spills:	Sweep or shovel up immediately due to slippery conditions (beads). Dispose at appropriate waste disposal facility.
Waste Disposal Method:	Comply with local regulations for non-hazardous chemical disposal.
Handling & Storage:	Keep containers tightly closed and store in a cool, dry place.
Other precautions:	Take precautionary measures against static discharge when handling near flammable gases or vapors. Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.

Section 8 – Control Measures

Respiratory Protection (specific type):	Use a NIOSH approved dust mask if excessive dust is present.
Ventilation:	Natural ventilation or local exhaust. Mechanical, Special and other Exhaust – Not applicable.
Protective Gloves:	None required however follow good personal hygiene practices.
Eye Protection:	Safety glasses or goggles for dust and dirt.
Other Protective Clothing & Equipment:	Work clothes and work gloves.
Work/Hygienic Practices:	Wash thoroughly after handling.