



MATERIAL SAFETY DATA SHEET



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PRODUCT RELATED HEALTH DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Desiccant (Air Dryer)
Binks Part No. 86-662, 86-646
MSDS #: MSDS-24 **REVISION #:** 2.2
DATE REVISED: 3/14/07 **DATE PREPARED:** 4/11/03

ITW Industrial Finishing - Binks
195 Internationale Blvd.
Glendale Heights, IL 60139

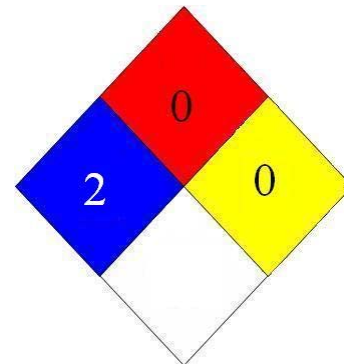
Emergency Number - INFOTRAC

EMERGENCY PHONE (24 HOURS):

1-800-535-5053

630-237-5000

CHEMICAL FORMULA: Mixture
CAS NUMBER: Not Applicable.
DERIVATION: Not Applicable.
SYNONYMS: Not Applicable.
GENERAL USE: Desiccant-Air Dryer



2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS

<u>CAS REG NO.</u>	<u>WGT. %</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>	<u>OSHA STEL</u>	<u>UNITS</u>
Silicone Dioxide (Silica Gel) 63231-67-4	98.0%	10	None	80/(%SiO ₂)	None	mg/m ³
Cobalt Chloride 7646-79-9	<1.0%	0.02	None	None	None	mg/m ³

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: None.

POTENTIAL HEALTH EFFECTS:

SIGNS AND SYMPTOMS OF OVEREXPOSURE: General reddening and irritation to the skin and eyes. Symptoms may include coughing, sore throat, and wheezing.

ACUTE EFFECTS

Eye: May cause eye irritation, redness and pain.

Skin: May cause skin irritation (redness) with dryness and abrasion upon contact.

Ingestion: No adverse effects expected, but may cause indigestion.

Inhalation: May cause dryness and irritation to mucous membranes, nose and throat. Symptoms may include coughing, sore throat, and wheezing.

CHRONIC EFFECTS: Repeated exposure may cause symptoms similar to those listed for acute effects.

CARCINOGENICITY: Not listed as a carcinogen by the NTP, IARC, or OSHA.

TARGET ORGAN EFFECTS: None known under normal use.

MEDICAL CONDITIONS AGGRAVATED by LONG-TERM EXPOSURE: Emphysema, Asthma.

OTHER INFORMATION: None known.



4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Get medical attention if eye irritation persists.

SKIN CONTACT: Wash skin with soap and water.

INGESTION: If conscious, induce vomiting. Get medical attention immediately.

INHALATION: Remove immediately to fresh air.

OTHER INFORMATION: None known.

5. FIRE FIGHTING MEASURES

FLASH POINT (method): Not Applicable.

AUTOIGNITION TEMPERATURE: Not Applicable.

LOWER EXPLOSION LIMIT: Not Applicable.

UPPER EXPLOSION LIMIT: Not Applicable.

FLAMMABILITY CLASS: Non-combustible

EXTINGUISHING MEDIA: None Required.

HAZARDOUS COMBUSTION PRODUCTS: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Use extinguishing media for the surrounding fire. The silica gel is not combustible.

FIRE-FIGHTING INSTRUCTIONS/EQUIPMENT: Silica gel will get hot when it adsorbs moisture rapidly. Use an excess of water to cool the silica gel.

NFPA RATING: See Section 15.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Wearing appropriate personal protective equipment, including appropriate respiratory protection.

Small Spill: Sweep up material, avoid breathing dust.

Large Spill: Use wet or vacuum clean-up procedures to minimize dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Use appropriate personal protective equipment. Minimize skin contact, wash thoroughly with mild soap and water after handling.

STORAGE REQUIREMENTS: Store in a cool, dry area. Keep containers closed when not in use. Keep containers away from moisture. The silica gel will readily adsorb moisture.

OTHER PRECAUTIONS: None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation.

EYE and FACE PROTECTION: Safety goggles, with side shields

SKIN and HAND PROTECTION: Rubber gloves, protective clothing (long sleeves, coveralls, or other as appropriate).

RESPIRATORY PROTECTION: Select per OSHA respiratory protection information located in 29 CFR 1910.134 and other ANSI Practice of Respiratory Protection Z88.2.

OTHER PERSONAL PROTECTIVE EQUIPMENT: To minimize skin contact.

EXPOSURE GUIDELINES: See section 2

WORK HYGIENIC PRACTICES: Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Blue Granules (Turns Pink on contact with water).

PHYSICAL STATE: Solid.

ODOR: Odorless.

ODOR THRESHOLD (PPM): Not Available.

SPECIFIC GRAVITY (WATER=1): 2.1 lbs/cu ft.

SOLUBILITY IN WATER (20°C): Insoluble, but will absorb moisture.

SOLUBILITY IN FAT: Not Applicable.

COEFFICIENT OF WATER/OIL SOLUBILITY: Not Applicable.

PARTITION COEFFICIENT (n-octanol/water): Not Applicable.

pH: 5% slurry, 6.5 - 7.

MELTING POINT: 3200°F.

BOILING POINT: Not Applicable

VAPOR PRESSURE (20°C) (MM HG): Not available.

VAPOR DENSITY (AIR=1): Not Applicable.

EVAPORATION RATE (n-BUTYL ACETATE=1): Not Applicable.

V.O.C.: 0%.

FLASH POINT: / AUTO IGNITION TEMPERATURE: / FLAMMABILITY CLASSIFICATION: / UNUSUAL FIRE or EXPLOSION HAZARDS: See Section 5.

OXIDIZING PROPERTIES: None Known.

WATER REACTIVE: Not reactive, but will adsorb water.

OTHER INFORMATION: None.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions of handling and use.

HAZARDOUS POLYMERIZATION: Will Not Occur.

CONDITIONS TO AVOID: Moisture and high humidity environments.

CHEMICALS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Cobalt and its components have been shown to cause cancer in laboratory animals. Other acute and chronic health hazards, as well as target organs, are unknown.

ADDITIONAL INFORMATION: None known.

12. ECOLOGICAL INFORMATION

MOBILITY: Not Determined.

DEGRADABILITY: For Silica Gel (synthetic amorphous): When released into the soil, this material is not expected to biodegrade. When released into water, this material is not expected to biodegrade.

ACCUMULATION: Not Determined.

ECOTOXICITY: For Silica Gel (synthetic amorphous): This material is not expected to be toxic to aquatic life..

OTHER ADVERSE EFFECTS: Not Determined.

13. DISPOSAL CONSIDERATIONS

Processing, use or contamination of this product may change the waste management options. Products classified as non-hazardous may become hazardous waste upon contact with other products.

DISPOSAL METHOD: Use can or bag to minimize dust. This product as supplied is not



regarded as hazardous waste. Dispose in accordance with Local, State/Province, and Federal/Canadian laws and regulations.

14. TRANSPORT INFORMATION

U.S. D.O.T. PROPER SHIPPING NAME: Not Regulated.

HAZARD CLASS: Not Regulated

I.D. NUMBER: None

15. REGULATORY INFORMATION

OSHA HAZARD STATUS: None Determined

EPA SARA Sec. 311/ 312 HAZARD CATEGORIES: None.

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

SARA Title III, Section 313, CHEMICALS: Not on list.

CALIFORNIA Proposition 65 - Safe Drinking Water and Toxic Enforcement Act Substances List: Not on List.

NEW JERSEY RIGHT-TO-KNOW HAZARDOUS SUBSTANCES LIST: Not on List.

MASSACHUSETTS RIGHT-TO-KNOW SUBSTANCE LIST: Not on List.

PENNSYLVANIA HAZARDOUS SUBSTANCES LIST: Not on List.

HMIS RATING: Health 2, Flammability 0, Reactivity 0.

NFPA RATING: Health 2, Flammability 0, Reactivity 0.

16. OTHER INFORMATION

MSDS PREPARED BY: Director of Chemical Safety

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*** END OF MSDS ***

