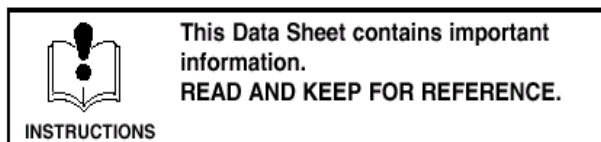


Material Safety Data Sheet



MSD045

Rev. A
Updated: 1/07



1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Yellow Indicating Silica Gel

Chemical Name: Manufacturer / Supplier

Graco Inc.

P.O. Box 1441

60 11th Ave. NE

Minneapolis, MN 55440-1441

Part Number(s): 079053

Use: Desiccant Dryer Material

Emergency Information

Health Emergency (RMPC): (303)– 623–5716

Chemical Spills (Chemtrec): (800)– 424–9300

2. Composition/Information on Ingredients:

	<u>CAS #</u>	<u>EEC – No.</u>	<u>Weight %</u>
Silica Dioxide	112926-00-8	NA	99.0%
Phenolphthalein	77-09-08	NA	100 ppm

Dangerous Components: Void

3. Hazards Identification:

Most important hazards: None under normal processing.

Specific Hazards: Handling near flammable gasses or vapors. Active material absorbs gases and vapors. Decomposes on heating above 160° C.

4. First-Aid Measures:

General Information: No hazards that require special first air measures.

After Inhalation: Do not breath, dust, move to fresh air.

After Skin Contact: Wash hands and face before breaks and immediately after handling the product. If skin irritation persists, call a physician.

After Eye Contact: Rinse opened eye for several minutes under running water, also under the eyelids. If eye irritation persists, consult a physician.

Ingestion: Administer with plenty of water.

5. Fire Fighting Measures:

Suitable extinguishing agents: Standard procedure, this product itself does not burn.

Specific hazards: Material is slippery (beads).

Protective equipment: No special measures required.

Specific methods: Not applicable.

NFPA rating: 1

6. Accidental Release Measures:

Personal-related safety precautions:	None
Measures for environmental protection:	None reasonably foreseeable.
Methods for clean up:	Collect in suitable container for disposal.

7. Handling and Storing:

Handling:	No special protective measures required. Avoid dust formation.
Storage:	Keep containers dry and tightly closed to avoid moisture absorption or contamination.

8. Exposure Controls and Personal Protection:

Chemical Name:	National Occupational exposure limits
Silicon Dioxide:	4 mg/m ³
Phenolphthalein	0.2 mg PH/m ³

Personal Protective equipment:

Respiratory:	Effective gas mask
Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin/body protection:	Lightweight protective clothing
Hygiene measures:	Wash hands before breaks and at the end of day

9. Physical and chemical properties:

Form:	Beads
Color:	Yellow-Green
Odor:	Odorless
Melting Point/Range	>1000° C
Bulk Density	45 LB. per cubic foot
Water Solubility:	0.53%, insoluble in this form.

10. Stability and Reactivity:

Stability:	Stable up to 800°C. Above this temperature, silica will transfer into crystalline silica.
Conditions to avoid:	Temperature above 160°C. Risk of static discharges.
Materials to avoid:	No data available.
Hazardous decomposition prod:	None

11. Toxicological Information:

Acute toxicity:	Silica gel – no value available. Phenolphthalein – No ID50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen and mutagen.
Local effects:	None
Sensitization:	The product contains no substances which at their given concentration are considered to be Hazardous.
Long term toxicity:	The product contains no substances which at their given concentration are considered to be Hazardous.
Chronic toxicity:	The product contains no substances which at their given concentration are considered to be Hazardous.

12. Ecological Information:

Mobility:	No date available.
Persistence/Degradability:	Contains no substances known to be hazardous to the environment or not degradable in water treatment plants.
Bioaccumulation:	No information available.
Ecotoxicity:	No information available.
Water hazardous classification:	(Self Classification) Other countries – no data available.

13. Disposal Considerations:

Waste from residues:	In accordance with local regulations.
German Waste Disposal:	NA
Contaminated packaging:	Offer rinsed packaging to local authorities.

14. Transport Information:

Not classified as dangerous in the meaning of transport authorities.

15. Regulatory Information:

Classification according to European directive on classification of hazardous preparations 93/112/EEC.

Contains: Not applicable, not a dangerous substance as defined in the above regulations.

Symbols:

R-Phrases: Not applicable

S-Phrases: Not applicable

16. Other Information:

Recommended Use:	Absorption of humidity on air.
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Prepared By	Graco, Inc.
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This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

NOTES: NA = Not Applicable; NE = Not Established; UN = Unavailable

All written and visual data contained in this document reflects the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

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