

SAFETY DATA SHEET

DURAMAX P-400



1 IDENTIFICATION

PRODUCT IDENTIFIER

Product Names: DURAMAX P-400

RECOMMENDED USE AND RESTRICTIONS OF USE

Recommended Use: Inert catalyst support and topping material

Restrictions of Use: none known

NAME, ADDRESS, AND TELEPHONE NUMBER OF THE RESPONSIBLE PARTY

Company: M Chemical Company, Inc.
Address: 825 Colorado Boulevard, Suite 214
Los Angeles, CA 90041 USA
Telephone: (323) 254-3600

Initial Supplier Identifier
Données relatives au fournisseur

Univar Solutions Canada Ltd.

64 Arrow Road
North York, ON M9M 2L9
Telephone: 1-866-686-4827

EMERGENCY TELEPHONE NUMBER

CHEMTREC: 1 (800) 424-9300 [Contract number 225543]
Contact only in the event of chemical emergencies involving spill, leak, exposure, or accident involving this chemical.

2 HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE

This product is supplied as an article and is not regulated under the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200). This product is not classified as hazardous under GHS criteria.

Hazard(s): Not applicable (N/A)

SIGNAL WORD, HAZARD STATEMENTS, SYMBOLS, & PRECAUTIONARY STATEMENTS

Signal Word: Not applicable (N/A)

Hazard Statement(s): Not applicable (N/A)

Hazard Pictogram(s): Not applicable (N/A)

Precautionary Statements: Not applicable (N/A)

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

None known

3 COMPOSITION / INFORMATION ON INGREDIENTS

This product is not classified as hazardous to health according to the 2012 OSHA Hazard Communication Standard (29 CFR §1910.1200) and/or GHS criteria.

Non-Hazardous Components

Chemical Name	CAS No.	Wt. %
Ceramic materials and wares, chemicals	66402-68-4	100

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Additional Composition Information

This product is a ceramic material, which is defined as a crystalline or partially crystalline, inorganic, non-metallic, usually opaque substance consisting principally of combinations of inorganic oxides of aluminum, calcium, iron, sodium, potassium, silicon, or titanium which conventionally is formed first by fusion or sintering at very high temperatures, then by cooling, generally resulting in a rigid, brittle mono-phase or multi-phase structure. This category consists of chemical substances other than by-products or impurities, which are formed during the production of various ceramics and concurrently incorporated into a ceramic mixture. Its composition may contain any one or a combination of these substances. Trace amounts of oxides and other substances may be present.

This ceramic product is produced from the following raw materials:

Fused silica (CAS No. 60676-86-0), 55-65%

Aluminum oxide (CAS No. 1344-28-1), 10-30%

Quartz (CAS No. 14808-60-7), 10-15%

Potassium oxide (CAS No. 12136-45-7), 1-5%

Iron oxide (CAS No. 1309-37-1), 0.5-1.5%

Sodium oxide (CAS No. 1313-59-3), 0.5-1.5%

Titanium dioxide (CAS No. 13463-67-7), 0.1-1%

4 FIRST AID MEASURES

DESCRIPTION OF NECESSARY MEASURES

Eyes	In case of contact with eyes, rinse immediately with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation occurs.
Inhalation	Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical attention if respiratory irritation occurs.
Skin	Wash immediately with plenty of water. Get medical attention if irritation or rash occurs.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have person lean forward to reduce the risk of aspiration. Get medical attention immediately.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED

Eyes	May cause eye irritation.
Inhalation	Dust may be harmful if inhaled and may cause respiratory irritation. Repeated or prolonged inhalation of dust may be harmful.
Skin	May cause skin irritation.
Ingestion	May be harmful if swallowed.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to Physician: no information available

5 FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable Use extinguishing media appropriate for the surrounding fire.

Unsuitable None known

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Non-flammable material.

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SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Standard protective equipment for fighting chemical fires should be used, including self contained breathing apparatus (SCBA) and full fire fighting turn-out gear.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Do not breathe dust. Avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Sweep up and collect material into suitable containers for reuse or disposal (See Section 13: Disposal Considerations).

7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not breathe dust and avoid personal contact. Wear personal protective equipment (See Section 8: Exposure Controls / Personal Protection). Use only with adequate ventilation. Do not eat, drink, or use tobacco products while working.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a cool, dry, and well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROL LIMITS

Ceramic materials and wares, chemicals CAS No. 66402-68-4	ACGIH	TLV®: 10 mg/m ³ TWA (inhalable fraction) 3 mg/m ³ TWA (respirable fraction) Particulates Not Otherwise Specified
	OSHA	PEL: 15 mg/m ³ TWA (total dust), 5 mg/m ³ TWA (respirable fraction) Particulates Not Otherwise Regulated (PNOR) Table Z-1, 29 CFR §1910.1000

APPROPRIATE ENGINEERING CONTROLS

Work in well ventilated areas. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use mechanical handling to reduce human contact with materials.

INDIVIDUAL PROTECTIVE MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

General Hygiene Do not breathe dust. Avoid contact with eyes and skin. Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Eye/Face Protection Wear safety glasses with side shields or safety goggles.

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Skin Protection	Wear protective gloves impervious to the conditions of use and protective clothing. Recommended materials for protective gloves include PVC, rubber, and other plastics.
Respiratory Protection	Wear NIOSH-approved respiratory protection if exposure to airborne dust is possible and in non-routine or emergency situations.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	ivory colored spheres, rings, or disks
Odor	no information available
Odor Threshold	no information available
Physical State	solid
pH value	no information available
Melting Point	no information available
Boiling Point	no information available
Flash Point	no information available
Evaporation Rate	no information available
Flammability	no information available
Upper Flammability Limit	no information available
Lower Flammability Limit	no information available
Vapor Pressure	no information available
Vapor Density	no information available
Specific Gravity	no information available
Solubility in water	no information available
Partition Coefficient (octanol/water)	no information available
Autoignition Temperature	no information available
Decomposition Temperature	no information available
Viscosity	not applicable (N/A)

10 STABILITY AND REACTIVITY

REACTIVITY

No reactivity hazards are known under normal conditions of storage and use.

CHEMICAL STABILITY

This substance is expected to be stable under normal conditions of storage and use.

POSSIBILITY OF HAZARDOUS REACTIONS

None known

CONDITIONS TO AVOID

Formation of small particles (dust)

INCOMPATIBLE MATERIALS

Strong acids, strong bases, strong oxidizing agents, strong reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS

None known

11 TOXICOLOGICAL INFORMATION

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SIGNS AND SYMPTOMS OF OVEREXPOSURE, ACUTE AND DELAYED

Eyes	May cause eye irritation.
Inhalation	Dust may be harmful if inhaled and may cause respiratory irritation. Repeated or prolonged inhalation of dust may be harmful.
Skin	May cause skin irritation.
Ingestion	May be harmful if swallowed.
Target Organ Effects	no information available
Chronic Effects	no information available

ACUTE TOXICITY

Oral	no information available
Inhalation	no information available
Dermal	no information available

Not expected to be acutely toxic based on composition.

SKIN CORROSION / IRRITATION

no information available.

EYE DAMAGE / IRRITATION

no information available

SENSITIZATION

Respiratory Sensitization	no information available
Skin Sensitization	no information available

GERM CELL MUTAGENICITY

no information available

CARCINOGENICITY

Not classifiable due to lack of data. This product is manufactured from the following raw material(s) that are listed by IARC or NTP as carcinogens: *Quartz, CAS No. 14808-60-7.*

REPRODUCTIVE TOXICITY

no information available

TARGET ORGAN TOXICITY

Single Exposure	no information available
Repeat/Prolonged Exposure	no information available

ASPIRATION HAZARD

no information available

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Acute toxicity - fish	no information available
Acute toxicity - algae	no information available
Acute toxicity - invertebrates	no information available
Acute toxicity - bacteria	no information available

PERSISTENCE AND DEGRADABILITY

no information available

BIOACCUMULATIVE POTENTIAL

no information available

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MOBILITY IN SOIL

no information available

OTHER ADVERSE EFFECTS

no information available

13 DISPOSAL CONSIDERATIONS

Recover or recycle if possible.

Disposal of product and contaminated packaging should be in accordance with applicable local, regional, national, and international laws and regulations. Local regulations may be more stringent than regional or national requirements.

14 TRANSPORT INFORMATION

UN NUMBER

no information available

UN PROPER SHIPPING NAME

no information available

TRANSPORT HAZARD CLASS(ES)

no information available

PACKING GROUP

no information available

ENVIRONMENTAL HAZARD(S)

no information available

TRANSPORT IN BULK

no information available

15 REGULATORY INFORMATION

no information available

16 OTHER INFORMATION

REVISION DATE

July 7, 2023

REASONS FOR REVISION

Compliance with 29 CFR §1910.1200 (GHS)

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End of SDS