Heraeus Kulzer
Mitsui Chemicals Group

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **O-67 SW Stone**

Other means of identification:

Synonyms: None

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: None.

Chemical manufacturer address and telephone number:

Manufacturer Name: Heraeus Kulzer, LLC (Mitsui Chemicals Group)

Address: 300 Heraeus Way
South Bend, Indiana 46614-2517
USA

General Phone Number: 800-431-1785

Emergency phone number:

Emergency Phone Number: Chemtrec @ 1-800-424-9300

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:

Signal Word: DANGER.

GHS Class: Specific Target Organ Toxicity -STOT Repeated exposure RE. Category 1 (Inhalation, Lung).
Carcinogenicity. Category 2.
Eye Irritation. Category 2.

Hazard Statements:
H372 - Causes damage to organs through prolonged or repeated exposure.
H351 - Suspected of causing cancer.
H319 - Causes serious eye irritation.

Precautionary Statements:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

- Eye: Eye contact with the dust may cause irritation.
- Skin: May cause skin irritation.
- Inhalation: May be harmful if inhaled.
- Ingestion: May be harmful if ingested.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.

Titanium Dioxide	13463-67-7	1 - 5 by weight
Ammonium Naphthalene Sulfonate	9069-80-1	1 - 5 by weight
Polyvinyl Alcohol	9002-89-5	1 - 5 by weight
Portland Cement	65997-15-1	1 - 5 by weight
Plaster of Paris	26499-65-0	80 - 90 by weight

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: If dust gets into eyes. Flush eye with water for 15 minutes. Remove contact lenses, if applicable, and continue flushing. If eye irritation persists, consult a specialist.

Skin Contact: If dust gets onto the skin. Wash skin with soap and plenty of water.
Get medical attention if irritation develops or persists.

Inhalation: If dust is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.

Ingestion: Accidental ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur.

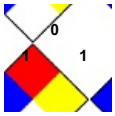
SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use any extinguishing media appropriate for the surrounding fires. Dike to control run-on/run-off if water is used to fight fires

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	1



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Persons responding to an accidental release should wear coveralls, gloves, safety glasses or other protective clothing as required. Close-fitting goggles may be necessary in some circumstances to prevent eye contact with dust. Workers should wash and change clothing following cleanup of a spill to prevent personal contamination.

Environmental precautions:

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

Methods for containment: Collect spillage and prevent from spreading by covering, diking, berming or other means. Minimize dust generation.

Methods for cleanup: Control source of spillage if possible to do so safely.
Restrict access to the area until completion of clean up.
Contain spilled material immediately and control run-on and run-off.
Clean up spilled material observing precautions listed in Section 8, Personal Protection and using methods that will minimize dust generation.
Uncontaminated materials can be recovered for return to process. Contaminated materials should be placed in suitable labeled containers for later recovery or disposal.
Waste material must be treated and disposed of in accordance with all local, regional, and national requirements.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: No special handling procedures are required for this material. Avoid dust formation.

Hygiene Practices: Wash hands with water as a precaution. Do not breathe dust.

Conditions for safe storage, including any incompatibilities:

Storage: No special storage conditions required.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Titanium Dioxide :

Guideline ACGIH:	TLV-TWA: 10 mg/m3

Portland Cement :

Guideline ACGIH:	TLV-TWA: 1 mg/m3 (E,R) TLV-TWA: 1 mg/m3 Respirable fraction (R)
Guideline OSHA:	PEL-TWA: 5 mg/m3 Respirable fraction (R) PEL-TWA: 50 mppcf Total particulate/dust (T) PEL-TWA: 15 mg/m3 Total particulate/dust (T)

Plaster of Paris :

Guideline OSHA:	PEL-TWA: 15 mg/m3 Total particulate/dust (T) PEL-TWA: 5 mg/m3 Respirable fraction (R)

Appropriate engineering controls:

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Individual protection measures:

Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Close-fitting goggles may be necessary in some circumstances to prevent eye contact with dust.
Skin Protection Description:	Coveralls or other work clothing, safety glasses, and gloves are recommended to prevent prolonged or repeated direct skin and eye contact.
Hand Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	No personal respiratory protective equipment normally required. When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators.
PPE Pictograms:	

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Fine powder.
Color:	Various Colors.
Odor:	Not determined.
Boiling Point:	Not determined.
Melting Point:	Not determined.
Specific Gravity:	2.3
Solubility:	Slight, 0.2% at 40°C in water
Vapor Pressure:	Not determined.
Percent Volatile:	Not determined.
Evaporation Rate:	Not determined.
pH:	Not determined.
Flash Point:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Auto Ignition Temperature:	Not determined.
VOC Content:	Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability:	None under normal use.

Possibility of hazardous reactions:

Hazardous Polymerization:	Will not occur.

Conditions To Avoid:

Conditions to Avoid:	Dust dispersion in air.

Incompatible Materials:

Incompatible Materials:	None during normal use.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Polyvinyl Alcohol :

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: >20 gm/kg [Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Somnolence (general depressed activity) Behavioral - Muscle weakness]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 23854 mg/kg [Behavioral - Muscle weakness Gastrointestinal - Hypermotility, diarrhea Liver - Other changes] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Stability: No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 : TRANSPORT INFORMATION

UN number: Not regulated as hazardous material for transportation.

UN proper shipping name: Not regulated as hazardous material for transportation.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Canada WHMIS: Controlled - Class: D2B Toxic
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

Titanium Dioxide :

TSCA Inventory Status: Listed

Canada DSL: Listed

Ammonium Naphthalene Sulfonate :

TSCA Inventory Status: Listed

Canada DSL: Listed

Polyvinyl Alcohol :

TSCA Inventory Status: Listed

Canada DSL: Listed

Portland Cement :

TSCA Inventory Status: Listed

Canada DSL: Listed

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 0
HMIS Reactivity: 1
HMIS Personal Protection: X

Health Hazard	**1**
Fire Hazard	**0**
Reactivity	**1**
Personal Protection	**X**

SDS Revision Date: May 25, 2015

SDS Format:

MSDS Author: Regulatory department

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