

STRATEGIC MATERIALS

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: 3-Mix - Processed

PRODUCT USE: Abrasive

CAS REGISTRY NUMBER: 65997-17-3 (Glass, oxide)

TSCA REGISTRY NUMBER: 65997-17-3

MANUFACTURER: Strategic Materials, Inc.
16365 Park Ten Place, Suite 200
Houston, Texas 77084

EMERGENCY PHONE NUMBER: 24 Information Service: 281-647-2700
CHEMTREC: 800-424-9300

PREPARATION/REVISION DATE: January 1, 2009

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT NAME: 3-Mix - Processed

SYNONYMS: Glass Fragments (cullet)

HAZARDOUS COMPONENTS: None Identified

EXPOSURE STANDARDS: OSHA PEL* : 15 mg/m³ total dust
5 mg/m³ respirable dust
ACGIH TLV** : 10 mg/m³
CAL/OSHA: 10 mg/m³

* = Permissible exposure limit
** = Threshold limit value

COMPONENT/REGULATORY INFORMATION

COMPONENT	PERCENT IN MIXTURE	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
Silicon dioxide	72-74	15 (total dust) 5 (respirable fraction)	10
Calcium oxide	10-11	2	2
Sodium oxide	13-14	Not Listed	Not Listed
Aluminum oxide	1-2.05	Not Listed	10
Iron oxide	0.081-0.310	10	5
Magnesium oxide	0.68-1.04	10 (fume)	10 (fume)
Potassium oxide	0.40-0.93	Not Listed	Not Listed
Other oxides	<0.25	Not Listed	Not Listed

Note: Surface coatings, including paints, inks, and other colorants, may have been applied to the recycled material prior to processing by Strategic Materials, Inc. It is anticipated that any hazardous materials that may be present in the coatings would generally represent less than 0.1% of the total material present. Materials containing tin, lead, or organic material may have been present before processing. The concentrations of these chemicals, although expected to be extremely low, are not known.

National Fire Protection Association (NFPA) Classification:

Health 1
 Flammability 0
 Reactivity 0

Hazardous Materials Information Systems (HMIS):

Red: (Flammability) 0
 Yellow: (Reactivity) 0
 Blue: (Acute Effects)1

TSCA NUMBER:

Not Applicable

RCRA (40 CFR 261):

Non-Regulated

CERCLA (SUPERFUND):

Not listed under any section

CWA (CLEAN WATER ACT):

Not covered by any Water Quality Criteria under Section 304.

SAFE DRINKING WATER ACT:

Not listed

NTP ANNUAL REPORT ON CARCINOGENS:

Not listed as a carcinogen.

OSHA CARCINOGEN:

Not listed as an OSHA carcinogen.

IARC:

Not listed as a carcinogen.

PROP 65:

Not listed as a carcinogen or reproductive toxin.

SECTION 3. PHYSICAL & CHEMICAL PROPERTIES

SOLUBILITY IN WATER:	Non-Soluble
APPEARANCE AND ODOR:	Combination of brown, green, and clear glass that is uniform in size - Odorless
ODOR THRESHOLD:	None
SOFTENING POINT	728°C-732°C 1342.4°F -1349.6°F
pH VALUE:	Not Available
SPECIFIC GRAVITY (H ₂ O = 1):	2.2
VAPOR PRESSURE:	Not Applicable
PERCENT VOLATILE (VOLUME %):	Not Applicable

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

GENERAL HAZARD:	None
UEL/LEL:	Not Available
AUTOIGNITION TEMPERATURE:	Not Available
FLASH POINT:	Not Applicable
EXTINGUISHING MEDIA:	Non-Combustible
FLAMMABILITY CLASSIFICATION:	Not Applicable
SPECIAL FIRE FIGHTING PROCEDURES:	Special fire fighting procedures are not associated with this product, however, firefighters should wear positive pressure, self contained breathing apparatus if this product is found with other materials.

SECTION 5. STABILITY & REACTIVITY

STABILITY:	Stable.
INCOMPATIBILITY:	Inert Material - Not Applicable
HAZARDOUS DECOMPOSITION PRODUCTS:	Surface coatings, including paints, inks, and other colorants, may have been applied to the material prior to processing by Strategic Materials, Inc. Some organic material may also be present. Strategic Materials, Inc. may have no specific knowledge of the particular coatings or organic chemicals.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 6. HEALTH HAZARD INFORMATION

EMERGENCY OVERVIEW:	3-Mix is a combination of brown, green, and clear crushed glass that is not flammable, combustible, or explosive, and it presents no unusual hazard if involved in a fire. Contact with eyes, skin or mucous membranes may cause irritation. 3-Mix presents little hazard (to humans) and has low acute oral toxicity.
ROUTES OF EXPOSURE:	Inhalation, direct contact with eyes or skin, incidental ingestion
INHALATION:	Dust may cause irritation to the nose, throat, and respiratory tract.
EYE CONTACT:	May cause irritation and transient corneal injury.
DERMAL CONTACT:	Dust may cause irritation. Small particles embedded in skin may cause swelling and ulceration.
INGESTION:	Ingestion may cause irritation of the digestive tract.
CANCER:	This product (or any component of this product) is not considered a carcinogen.
REPRODUCTIVE:	No data available for this product.

SECTION 6. HEALTH HAZARD INFORMATION (Continued)

TARGET ORGANS:	No target organs have been determined in humans or animals from this product.
SIGNS AND SYMPTOMS OF EXPOSURE:	Symptoms of accidental over-exposure may be associated with irritation of the eyes, nose, throat and respiratory tract. Accidental ingestion may cause adverse digestive tract effects.
EMERGENCY/FIRST AID PROCEDURES	EYES: Immediately flush eyes with water for 15 minutes. If irritation persists, call a physician. SKIN: Wash with soap and water until no evidence of chemical remains (15-20 minutes). INHALATION: Remove from exposure area to fresh air immediately. Treat symptomatically and supportively. INGESTION: Rinse mouth with water. If vomiting occurs, have victim lean forward to reduce risk of aspiration. NOTE TO PHYSICIAN: Treat symptomatically and supportively.

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Use local exhaust ventilation system to keep dust levels down. If using this product as an abrasive blast agent in confined areas, airborne dust levels should be controlled by physical enclosure of the abrasive blasting operation. The enclosure should be exhaust ventilated in accordance with 29 CFR 1910.94 Ventilation (a) Abrasive blasting.
EYE PROTECTION:	Use splash proof or dust resistant goggles.
SKIN PROTECTION:	Not typically required, however, depending on the application, the user may elect to wear leather gloves, apron, boots or whole bodysuit, as appropriate.
RESPIRATORY PROTECTION:	A NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. For abrasive blasting use a continuous flow air-line respirator covering head, neck, and shoulders to provide protection from rebound abrasive per 29 CFR 1910.94 (a)(5).

SECTION 8. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS OR LEAKS: The components of this product are non-hazardous wastes when spilled or disposed of, as defined in the Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261).

SECTION 9. HANDLING AND STORAGE

GENERAL: Store in dry area. Keep container tightly closed. Good housekeeping should be maintained to minimize dust accumulation and generation.

HYGIENIC PRACTICES: Do not get in eyes, on skin or clothing. Wash hands thoroughly after handling, and before eating, drinking, or smoking.

NOTICE

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Strategic Materials, Inc. extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.