

SAFETY DATA SHEET

4.0 BROADCAST SAND

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 4.0 BROADCAST SAND

PRODUCT CODE: #4.0SND

PRODUCT USE: Broadcast media for epoxy, vinyl ester, and other coating products.

MANUFACTURER

DUDICK, INC.

1818 MILLER PARKWAY

STREETSBORO, OH, 44241

330-562-1970

24 HR. EMERGENCY TELEPHONE NUMBER

CHEM-TEL (US Transportation): (800)255-3924

CHEM-TEL (International Transportation) : +01(813)248-0585

2. HAZARDS IDENTIFICATION

CLASSIFICATION:

Specific target organ toxicity - single exposure - Respiratory tract irritation - Category 3

Carcinogenicity - Category 1

Specific target organ toxicity - Repeated exposure - Damage to respiratory tract - Category 1

GHS LABEL ELEMENTS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H335 May cause respiratory irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

H350 May cause cancer.

PRECAUTIONARY STATEMENTS :

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P202 Do not handle until all safety precautions have been read and understood.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local, regional, and federal regulations.

P264 Wash all contacted body parts thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

DATE PRINTED	5/14/2015
SDS REF. No :	#4.OSND

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Weight %	CAS Number
Quartz (Crystalline)	70% to 100%	14808-60-7

No further information available for this product.

4. FIRST AID MEASURES

EYES: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Seek medical attention if material is embedded in eye. If eye irritation persists: Get medical advice and attention.

SKIN: Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Obtain medical attention if irritation persists.

INGESTION: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

INHALATION: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

NOTES TO PHYSICIAN: No data available for this product.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: None known.

SPECIFIC HAZARDS IN CASE OF FIRE: Not flammable.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS: Precautionary measures fire: Fight fire with normal precautions from a reasonable distance. Protection during firefighting: Use normal individual fire protective equipment.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Do not breathe dust. Avoid generation of dust during clean-up of spills. Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection.

ENVIRONMENTAL PRECAUTIONS: No data available for this product.

METHOD AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shovelling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Do not breathe dust. Avoid creating or spreading dust. Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Do not eat, drink or smoke in areas where product is used.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store in a dry, cool place. Keep container tightly closed.

Incompatible materials: In finely divided state: reacts with (strong) oxidizers such as: hydrofluoric acid, chlorine trifluoride, oxygen difluoride, fluorine.

DATE PRINTED	5/14/2015
SDS REF. No :	#4.0SND

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
Quartz (Crystalline)	14808-60-7	ACGIH TLV; TWA 0.025 mg/m ³ NIOSH REL; TWA 0.050 mg/m ³

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas. Avoid dust production.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

EYES PROTECTION: Protective goggles.

SKIN PROTECTION: Wear suitable protective clothing. Wash contaminated clothing before reuse.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Keep food and drink out of work areas.

OTHER USE PRECAUTIONS: No data available for this product.

COMMENTS: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powdered crystalline solid

COLOR: Varies

FLASH POINT AND METHOD: No data available for this product.

AUTO-IGNITION TEMPERATURE: Not Determined.

BOILING POINT/RANGE: No data available for this product.

MELTING POINT: Not Determined.

VAPOUR PRESSURE: No data available for this product.

VAPOUR DENSITY: No data available for this product.

SOLUBILITY: Not determined.

ODOR/THRESHOLD: No data available for this product.

LOWER / UPPER FLAMMABLE LIMITS: No data available for this product.

DENSITY: 2.7021

EVAPORATION RATE: No data available for this product.

PARTITION COEFFICIENT: Not determined.

pH: Not Applicable.

DECOMPOSITION TEMPERATURE: Not determined.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: This product is stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available for this product.

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID: Avoid strong oxidizers; HF.

HAZARDOUS DECOMPOSITION PRODUCTS: Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS:

EYE CONTACT: May cause eye irritation. Corneal injury is unlikely.

DATE PRINTED	5/14/2015
SDS REF. No :	#4.OSND

SKIN CONTACT: Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

INHALATION: Repeated or prolonged exposure to respirable crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.

INGESTION: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

TARGET ORGAN: Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

CHRONIC EFFECTS: Carcinogenicity: May cause cancer (inhalation).

Germ cell mutagenicity: Not classified

Reproductive toxicity: Not classified

TOXICITY VALUES: Not determined

12. ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY:

Not readily biodegradable.

BIO-ACCUMULATIVE POTENTIAL:

Not expected to bioaccumulate.

MOBILITY IN SOIL:

Not determined.

OTHER ADVERSE EFFECTS:

No data available for this product.

ECOTOXICOLOGICAL OTHER INFORMATION:

No data available for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: As supplied this product is not characteristic of a hazardous waste. Dispose of according to local, state, and federal regulations through a licensed disposal facility.

14. TRANSPORT INFORMATION

UN NUMBER: Not regulated.

UN PROPER SHIPPING NAME: Not regulated.

TRANSPORT HAZARD CLASS:

Not applicable.

TRANSPORT HAZARD SUBCLASS:

Not applicable.

PACKING GROUP: No data available for this product.

MARINE POLLUTANT Y/N:

No

SPECIAL PRE-CAUTIONS: None

15. REGULATORY INFORMATION

U.S. REGULATIONS:

All components of this product are listed on or exempt from the TSCA Inventory.

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No

DATE PRINTED	5/14/2015
SDS REF. No :	#4.0SND

PRESSURE GENERATING: No
REACTIVITY: No
ACUTE: Yes
CHRONIC: Yes

313 REPORTABLE INGREDIENTS:
313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
Quartz (Crystalline)	70% to 100%	14808-60-7

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No data available for this product.

STATE REGULATIONS:

The following chemicals are California Proposition 65 reportable:

Chemical Name	CAS
Quartz (Crystalline)	14808-60-7

Massachusetts Right To Know Components

Chemical Name	CAS
Quartz (Crystalline)	14808-60-7

Pennsylvania Right To Know Components

Chemical Name	CAS
Quartz (Crystalline)	14808-60-7

New Jersey Right To Know Components

Chemical Name	CAS
Quartz (Crystalline)	14808-60-7

OTHER GOVT. REGULATIONS: No other information available

16. OTHER INFORMATION

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