
1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name • **E5 Internal Cure + ASR**
Product Code • A-E5+ASR

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Concrete Admixture

Details of the supplier of the safety data sheet

Manufacturer • Specification Products
15196 Cumberland Road
Noblesville, IN 46060
www.specificationproducts.com

Telephone (General) • 888-881-1726

Emergency telephone number

Manufacturer • 888-881-1726

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Specific target organ toxicity - repeated exposure (Category 1), H372

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

Pictogram



Signal word **Danger**

Hazard statement(s)
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statement(s)
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P314 Get medical advice/ attention if you feel unwell.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Synonyms : Silica, Amorphous
Formula : SiO₂
Molecular weight : 60.08 g/mol

Hazardous Component	Classification	Concentration
Silicon dioxide		
CAS-No. 7631-86-9 EC-No. 231-545-4	STOT RE 1; H372	> 30 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

General advice

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

silicon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas.
For personal protection see section 8.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Silica, Amorphous	7631-86-9	TWA	6 mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA	20 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
	Remarks	Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. mppcf X 35.3 = million particles per cubic meter = particles per c.c		
		TWA	80 mg/m ³ / % SiO ₂	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	20 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	80 mg/m ³ / % SiO ₂	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	20 Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	80 mg/m ³ / % SiO ₂	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	6 mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA	6 mg/m ³	USA. NIOSH Recommended Exposure Limits

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

a) Appearance	Translucent Liquid
b) Odor	None Detectable
c) Odor Threshold	Not Applicable
d) pH	6.5 (ASTM E70)
e) Melting/Freezing Point	Liquid, Freeze Point @ 4°C
f) Initial Boiling Point	100 °C (ASTM D86)
g) Flash point	Not Applicable
h) Evaporation rate	0.049kg/s (ASTM D3539)
i) Flammability (solid, gas)	Non-Flammable
j) Upper/lower flammability or explosive limits	Non-Flammable
k) Vapour pressure	2.3 kPa (20°C)
l) Vapour density	0.38 (Air=1)
m) Relative density	1.4 g/cm ³ (25 °C)
n) Water solubility	Complete
o) Partition coefficient: n- octanol/water	Not Applicable
p) Auto-ignition temperature	Non-Flammable
q) Decomposition temperature	101 °C
r) Viscosity	10 mPas (25 °C)
s) Explosive properties	Non-Flammable or Explosive
t) Oxidizing properties	None

10. STABILITY AND REACTIVITY**Reactivity & Chemical Stability-**

Stable under recommended storage conditions.



Possibility of hazardous reactions

None

Conditions to avoid

Temperatures below 4 °C or above 101 °C

Incompatible materials

Strong bases, Strong oxidizing agents, Amines, Acid Anhydrides, Peroxides, Isocyanates, Phenols, Anilines

Hazardous decomposition products

Other decomposition products - None

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

Inhalation: No data available

Dermal: No data available

Ingestion: No data available

Skin corrosion/irritation

None

Serious eye damage/eye irritation

None

Respiratory or skin sensitisation

None

Germ cell mutagenicity

None

Carcinogenicity

None

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Silica, Amorphous)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

None

Specific target organ toxicity - single exposure

None

Specific target organ toxicity - repeated exposure

Stomach - Irregularities - Based on Human Evidence (Silica, Amorphous)

Aspiration hazard

None

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

None

Persistence and Degradability

None

Bioaccumulative potential

None

Mobility in soil

None

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US): Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 311/312.

Massachusetts Right To Know Components

Silica, Amorphous

CAS# 7631-86-9

Pennsylvania Right To Know Components

Silica, Amorphous

CAS# 7631-86-9

New Jersey Right To Know Components

Silica, Amorphous

CAS# 7631-86-9

California Prop. 65 Components

Silica, Amorphous

CAS# 7631-86-9



This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H372 Causes damage to organs through prolonged or repeated exposure.
STOT RE Specific target organ toxicity - repeated exposure

HMIS Rating

Health hazard: 1
Chronic Health Hazard: *
Flammability: 0
Physical Hazard 0

NFPA Rating

Health hazard: 0
Fire Hazard: 0
Reactivity Hazard: 0

Further information

Last Revision Date • 03/01/2017
Preparation Date • 06/01/2015

Disclaimer/Statement of Liability

Key to abbreviations

NDA = No data available.

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance the need that information is current, applicable and suited to the circumstances of use. Specification Products assumes no responsibility for injury to vendee or third party person proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Specification Products assumes no responsibility for injury by abnormal use of this material even if reasonable safety procedures are followed.

