



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Names : Garnet Edge
Other Name : Almandine Garnet
Chemical Formula : Al_2O_3 , 3SiO_2 , 3FeO
Recommended Use : Industrial abrasive for surface preparation

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance : Not classified as hazardous under GHS criteria
Potential Hazards : This material is considered non-hazardous under normal use.
Signal Word : None required
Precautionary Statements

- Avoid breathing dust.
- Use with adequate ventilation.
- Wear respiratory protection in dusty environments.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mineral	CAS Number	Percentage (%)
Almandine	1302-62-1	84.0 – 90.0
Ilmenite	12168-52-4	1.0 – 2.0
Pyroxene	37264-42-1*	1.25 – 1.75
Rutile	1317-80-2	0.5 – 1.0
Quartz	14808-60-7	< 0.1
Free Silica	14808-60-7	< 0.5

SECTION 4: FIRST-AID MEASURES

Inhalation : Move to fresh air. Seek medical attention if symptoms persist.
Eye Contact : Rinse thoroughly with water for at least 15 minutes.
Skin Contact : Wash with soap and water.



Ingestion : Not a typical route of exposure. If ingested, seek medical advice

SECTION 5: FIRE-FIGHTING MEASURES

Flammability : Non-flammable.
Extinguishing Media : Use suitable media for surrounding fire
Protective Equipment: : Standard protective equipment for fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Avoid creating airborne dust.
- Wear protective gear (dust mask, goggles).
- Sweep up material carefully and dispose according to local regulations

SECTION 7: HANDLING AND STORAGE

Handling : Use adequate ventilation. Avoid breathing dust.
Storage : Store in a dry place in tightly sealed containers

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Provide sufficient ventilation.
Respiratory Protection : Dust mask (e.g., P2 or N95).
Eye Protection : Safety goggles.
Skin Protection : Protective gloves if necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: :Red to dark brown granular material
Odor :Odorless
PH :Neutral
Specific Gravity : 3.9 – 4.2
Solubility in Water: :Insoluble



SECTION 10: STABILITY AND REACTIVITY

Stability : Stable under normal conditions.

Reactivity : No dangerous reactions known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity : Not toxic under normal use.

Chronic Effects: : Prolonged inhalation of fine dust may cause respiratory issues.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Impact : Inert material, minimal environmental impact.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : Dispose of in accordance with local, regional, and national regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: : Not regulated.

Transport Hazard Class : Not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

- This product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 16: OTHER INFORMATION

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Disclaimer : The information contained herein is based on data believed to be accurate but makes no warranties, expressed or implied, regarding its accuracy.