

Steel Pro T5™

1. IDENTIFICATION

PRODUCT NAME: Steel Pro T5

OTHER IDENTIFICATION: Cold-drawn shaved steel fiber

RECOMMENDED USE: Solely for use as secondary/post- first crack reinforcement in concrete.

SOURCE: ABC Polymer Industries, LLC
545 Elm Street, Helena, AL 35080

EMERGENCY CONTACT: (205) 620-9889

2. HAZARDS IDENTIFICATION

Emergency Overview: This product does not require any hazard warning on the label under OSHA criteria.

GHS Classification: Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

Potential Health Effects:

- Eye contact: No significant health hazards identified. Particles may cause slight discomfort similar to getting dust in the eye.
- Skin contact: No significant health hazards identified. Particles may cause slight discomfort similar to rubbing sand against skin.
- Inhalation: No significant irritation expected other than possible mechanical irritation.
- Ingestion: No significant health hazards identified.
- HMIS Hazard ID: (Health: 0) (Flammability: 0) (Reactivity: 0)
- NFPA Hazard ID: (Health: 0) (flammability: 0) (Reactivity: 0)

3. COMPOSITION / INFORMATION ON INGREDIENTS

The below ingredient list identifies those components which meet the regulated reporting criteria. Concentrations represent a maximum for all grades in a category of steel products.

| COMPONENT | CAS # | RANGE % BY WEIGHT |
|-----------|-----------|-------------------|
| Iron | 7439-89-6 | >99 |
| Manganese | 7439-96-5 | 2.2 |
| Nickel | 7440-02-0 | 2.05 |
| Chromium | 7440-47-3 | 1.65 |

4. FIRST AID MEASURES

Eye: Flush eyes with plenty of water. Get medical attention if irritation persists.

Skin: Wash exposed skin with soap and water. Get medical attention if irritation develops.

Inhalation: If adverse effects occur, remove to uncontaminated area.

Ingestion: If a large amount is swallowed, get medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint: Not applicable.

UEL: Not determined.

LEL: Not determined.

Autoignition temperature: Not determined.

Flammability classification: None

Extinguishing Media: Agents approved for Class A hazards (e.g., halogenated agents, foam, steam) or water fog.

Unusual Fire and Explosion Hazards: None identified.

Fire Fighting Equipment: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Hazardous Combustion Products: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6. ACCIDENTAL RELEASE MEASURES

Contain and remove by mechanical means.

7. HANDLING AND STORAGE

Handling: No special requirements.

Storage: No special requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye: None required; however, use of eye protection is a good industrial practice.

- Skin: None required; however, use of protective gloves, safety boots/clothing is a good industrial practice.
- Inhalation: None required; however use of adequate ventilation is a good industrial practice.
- Engineering Controls: Control airborne concentrations below the exposure guidelines.
- Exposure Guidelines:

| | CAS # | T.L.V. (as fume) mg/m | P.E.L. (as fume) mg/m | Ld50/Lc50 (as fume) mg/m |
|--------|-----------|-----------------------------|-----------------------------|--------------------------------|
| Iron | 7439-89-6 | 5 | 10 | 30g/kg (1d oral rat) |
| | 7439-96-5 | 0.2 | 5 | 9g/kg (1d oral rat) |
| Nickel | 7440-02-0 | 1 | 1 | N/A |
| | 7440-47-3 | 0.5 | 0.5 | N/A |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|----------------------|
| Appearance | Fibers |
| Odor | None |
| PH | Not determined |
| Vapor Pressure | Not determined |
| Vaport Density | Not determined |
| Boiling Point | Not determined |
| Melting Point | Not determined |
| Solubility in Water | Negligible, Below 1% |
| Specific Gravity (Water = 1) | 0.91 |

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None identified.

Materials to Avoid: Contact with acids will release Hydrogen gas.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Eye Irritation: Testing not conducted. See other toxicity data.

Skin Irritation: Testing not conducted. See other toxicity data.

Dermal LD50: Testing not conducted. See other toxicity data.

Oral LD50: Testing not conducted. See other toxicity data.

Inhalation LD50: Testing not conducted. See other toxicity data.

Other Toxicity Data:

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

12. ECOLOGICAL INFORMATION

Enclosed-controlled incineration is recommended unless directed by applicable ordinances.

13. DISPOSAL CONSIDERATION

Ecological testing has not been conducted on this product.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation: Not regulated for transport.

Sea (IMO/IMDG): Not determined.

Air (ICAO/IATA): Not determined.

European Road/Rail (ADR/RID) Not determined.

Canadian Transportation of Dangerous Goods: Not determined.

16. OTHER INFORMATION

Prepared By: ABC Polymer Industries, LLC

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