

Fire-Flash/Steel

PROFORCE EQUIPMENT, INC.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/01/2016

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Fire-Flash/Steel
Product code : 21300, 21310, 21312, 21313, 21317, 21319, 31161, 21315, 21305 (WILDO/NDUR)

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

Use of the substance/mixture : Fire starter

1.3. Details of the supplier of the safety data sheet

Proforce Equipment, Inc.
3230 Executive Way
Miramar, FL 33025
T 305-436-7984

1.4. Emergency telephone number

Emergency number : Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 CCN725304 or +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing to the classification : Avoid eye contact and inhalation of smoke and dust. Short term exposure to fumes or dust may cause irritation of respiratory system and eyes. Symptoms can be expressed as dryness of throat, cough and metallic taste in mouth. Steel product itself does not produce any hazards. Although, grinding, sawing, sanding, welding can release fumes or dust that can present health hazards if TLV's are exceeded.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Iron	(CAS No) 7439-89-6	40	Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. If necessary seek medical advice.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Not applicable.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry sand. extinguishing powder.

5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport. Usage of water on melted metal can produce hydrogen gas that is highly explosive.

5.3. Advice for firefighters

Firefighting instructions : DO NOT use water or halogen or foam on dust fires.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : DO NOT use water during collection. If water comes in contact with the material during the collection process, proceed with caution. In contact with water the material can produce hydrogen gas and cause an explosion. In case of large spillages: Shovel or sweep up and put in a closed container for disposal. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Avoid wet, moist, high humidity storage.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene (9003-56-9)

Not applicable

Lanthanum (7439-91-0)

Not applicable

Cerium (7440-45-1)

Not applicable

Iron (7439-89-6)

Not applicable

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves.

Eye protection : Safety glasses.

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Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 1100 °C
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: Not applicable
Relative vapor density at 20 °C	: No data available
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Usage of water on melted metal can produce hydrogen gas that is highly explosive.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts with acid from hydrogen gas, in finely divided form, will react with water and acids to release hydrogen and may cause fire or explosion.

10.4. Conditions to avoid

Avoid wet, moist, high humidity storage.

10.5. Incompatible materials

water. Oxidizing agents and acids.

10.6. Hazardous decomposition products

Reacts with acid from hydrogen gas, in finely divided form, will react with water and acids to release hydrogen and may cause fire or explosion.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Iron (7439-89-6)	
LD50 oral rat	984 mg/kg
ATE US (oral)	984.000 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Fire-Flash	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Fire-Flash	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Fire-Flash	
Ecology - soil	Not established.

12.5. Other adverse effects

Effect on global warming : No known ecological damage caused by this product.
Not established

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

TDG

No additional information available

Transport by sea

Class (IMDG) : Not regulated for transport

Air transport

Class (IATA) : Not regulated for transport

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SECTION 15: Regulatory information

15.1. US Federal regulations

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene (9003-56-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Lanthanum (7439-91-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cerium (7440-45-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Iron (7439-89-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

National regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

2-Propenenitrile, polymer with 1,3-butadiene and ethenylbenzene (9003-56-9)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Lanthanum (7439-91-0)

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Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Iron (7439-89-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Cerium (7440-45-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Full text of H-phrases:

H302

Harmful if swallowed

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SDS GHS US CUSTOM BLUE

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product