

Safety Data Sheet

Better Chemistry. Better Business

LASER® FE EXPORT CONCENTRATE

2/4/2021

Product Name: LASER® FE EXPORT CONCENTRATE

Product Code :2343008

Recommended use of the chemical and restrictions on use:Industrial applications



Signal Word:
Hazard Category:

Hazard Statements:

Prevention:

Response:

Storage:

Disposal:

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Nitric Acid	Aqua Fortis	7697-37-2	10-20%
Ammonium Bifluoride	Ammonium Hydrogen Fluoride	1341-49-7	20-30%

After Inhalation:

Special protective equipment and precautions for firefighter

In the event of a fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Structural firefighter's protective clothing is ineffective for fires involving this material Stay away from ends of tanks. Cool tanks with water spray until well after fire is out.

Personal Precautions, Protective Equipment, & Emergency Proc

Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for containment & cleaning up:

Neutralize spill with soda ash or lime under good ventilation. For an interior (inside a closed space) spill be aware that the use of Soda Ash, Lime will evolve heat and carbon dioxide thus the need for ventilation.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Precautions for safe handling:

Use in well ventilated area.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Wear rubber protective gloves, chemical protective clothing, eye protective goggles and face shield for face protection.

Keep only in original container .

Wash hands thoroughly after handling.

Do not get in eyes, or on skin, or on clothing.

Conditions for safe storage, inc any incompatibilities:

Keep container tightly closed.

Store locked up and away from incompatible chemicals.

Store in a well ventilated place. Keep cool .

Store in corrosive resistant container.

Name	Std.	TWA-8hrs	STEL - 15 min.
Nitric Acid	ACGIH	2 ppm	-
Ammonium Bifluoride	ACGIH	2.5 mg/m3 (F)	2.5 mg/m3 (F)

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Appearance: Light Amber
Odor: Pungent, strong
Odor Threshold: N/A
PH: <1.0

Melting Point/Freezing Point:	N/A
Initial Boiling Point and Boiling Range:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Relative Density:	1.12
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Chemical Stability:	Stable
Conditions to Avoid:	Extreme temperatures. Contact with incompatible material. Light. Moisture.
Incompatible Materials:	Nitric Acid reacts or is incompatible with over 150 chemical combinations. Refer to NFPA protection guide for specifics. Metals, powders, reducing agents, strong bases, acetic acid, alcohols, acetone, aniline, hydrogen sulfide, carbides, anhydrides, organic solvents, combustible materials, chromic acid, flammable liquids, cyanides, sulfides. Incompatible with many other substances. DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent the release of heat, steam, fumes.
Hazardous Decomposition Products:	Thermal decomposition products include oxides of nitrogen.
Oral Administration:	Nitric Acid -LD50->= 90 mg/kg (rat)
Oral Administration:	LD50, rat, 60 - 130 mg/kg (Ammonium Fluoride)
Inhalation:	Nitric Acid-LC50-30 min, -260 mg/m ³ (rat), LD50, 4 h-1302 mg/m ³ (rat); LD50, 4 h-67 ppm NO ₂ (rat)
Short term exposure:	Severe irritation or burns to skin, eyes and respiratory system
Long term exposure:	Bifluorides-chronic exposure at high concentrations can cause bone fluorosis.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion
Persistence and Degradability:	Not Available
Abiotic degradability:	ShiHgl6 Tdilad910015 Tdiald5 Tf (Abiotic df (nouabldhydre in wat))Tmo in wa 151 -1315 Hi) Tj-129 -0.6Soil/Sei

UN Number: 3264
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.(NITRIC ACID, AMMONIUM BIFLUORIDE),
Transport Hazard Class (es): 8
Packing Group: II
ERG: 154