



# Material Safety Data Sheet

NFS-2028IMP

## 1. Product and company identification

<b>Product Name:</b>	NFS-2028IMP
<b>Product Use:</b>	Coating
<b>Manufacturer/Supplier:</b>	Nano Faraz Sepahan Co. Unit No.3, Fanafarini 2 building, Isfahan Science & technology Town, Isfahan University of Technology Blvd, Isfahan, IRAN
<b>Phone Number:</b>	+983133932431
<b>Emergency Phone:</b>	+989130844702
<b>Date of Preparation:</b>	02/19/2019

## 2. Hazards identification

### EMERGENCY OVERVIEW

#### CAUTION

FLAMMABLE. IRRITATING TO EYES. IRRITATING TO SKIN.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

**Eye:** Irritating to eyes - potentially severe.

**Skin:** No skin irritation

**Most important symptoms and effects, both acute and delayed** irritant effects, respiratory paralysis, Dizziness, inebriation, euphoria, Nausea, Vomiting, narcosis

**Potential Environmental Effects:** Do not let product enter drains.

Risk of explosion.



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## 3. Composition/information on ingredients

**NFS-2028 IMP** is an aqueous, solventless based on modified organosilicon compounds used as a water repellent and priming coat as well as for impregnating mineral and alkaline concretion.

## 4. First-aid measures

**Eye Contact:** After eye contact rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

**Skin Contact:** In case of skin contact take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Inhalation:** If breathed in, move person into fresh air.

**Ingestion:** immediately make victim drink water (two glasses at most). Consult a physician.

## 5. Fire-fighting measures

**Flammability:** Flammable

**Protection of Firefighters:** Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus.

## 6. Accidental release measures

**Personal Precautions:** Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, and consult an expert.



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**Environmental Precautions:** Do not let product enter drains. Risk of explosion.

**Methods for Containment and Clean-Up:** Cover drains. Collect, bind, and pump off spills. Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

## 7. Handling and storage

**Handling:** Observe label precautions. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Change contaminated clothing. Wash hands after working with substance.

**Storage:** Store in closed containers for at least 12 months. It should be stored at temperatures ranging from +5 °C and +35 °C.

.Store in a cool, well-ventilated area away from incompatible materials and ignition sources.

Keep away from oxidizing agents and strong acids.

No smoking. Containers which have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature: 5- 35°C

## 8. Exposure controls/personal protection

Personal protection equipment (PPE) Respiratory protection: In case of long or strong exposure use a NIOSH approved respirator for: organic vapors. Alternatively use a positive pressure, air-supplied respirator (regard TLV). Hand protection: butyl rubber protective gloves Eye protection: tight fitting chemical safety goggles Other protective



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clothing or equipment: protective clothing to cover exposed areas of arms, legs and torso. Provide work station with emergency shower and eye-bath.

## 9. Physical and chemical properties

<b>Form</b>	liquid
<b>Appearance:</b>	Clear
<b>Colour:</b>	Colorless
<b>Odour:</b>	Odorless
<b>Physical State:</b>	Liquid.
<b>PH:</b>	13-14
<b>Active ingredient content, ±2</b>	43
<b>Flash Point:</b>	23°C
<b>Density, 25 °C</b>	1.25g/cm <sup>3</sup>
<b>Solvent</b>	Water
<b>Solubility in Water:</b>	Complete.

## 10. Stability and reactivity

**Stability:** The product is chemically stable under standard ambient conditions (room temperature).

**Conditions of Reactivity:** Vapours may form explosive mixture with air.

**Incompatible Materials:** rubber, various plastics

**Possibility of Hazardous Reactions:**



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Risk of explosion/exothermic reaction with:

hydrogen peroxide, perchlorates, perchloric acid, Nitric acid, mercury(II) nitrate, permanganic acid, Nitriles, peroxy compounds, Strong oxidizing agents, nitrosyl compounds, Peroxides, sodium, Potassium, halogen oxides, calcium hypochlorite, nitrogen dioxide, metallic oxides, uranium hexafluoride, iodides, Chlorine, Alkali metals, Alkaline earth metals, alkali oxides, Ethylene oxide, silver, with, Nitric acid silver compounds, with, Ammonia, potassium permanganate, with, conc. sulfuric acid

Risk of ignition or formation of inflammable gases or vapours with:

halogen-halogen compounds, chromium(VI) oxide, chromyl chloride, Fluorine, hydrides, Oxides of phosphorus, platinum, Nitric acid, with, potassium permanganate

## 11. Toxicological information

### Information on toxicological effects

**Acute toxicity:**

**LD/LC50 values relevant for classification:** No data available.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

## 12. Ecological information

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.



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## 13. Disposal considerations

**Disposal Instructions:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## 14. Transport information

**TDG Classification:**

flammable; Class 8; PG III

## 15. Regulatory information

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16. Other information

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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[www.nanofaraz.com](http://www.nanofaraz.com)