



Material Safety Data Sheet

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER	
Product name:	Nitric Acid
Other Names:	Nitric Acid, 65%
Chemical formula:	
Recommended Use:	
Company Identification:	
Address:	
Customer Centre:	
Section 2: HAZARD IDENTIFICATION	
Emergency Overview:	Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of ingestion, . Slightly hazardous in case of inhalation (lung sensitizer)
Potential Acute Health Effects	
Routes of entry:	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion
Target organs:	
Skin contact:	Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Eye contact:	irritant, corrosive
Inhalation:	lung sensitizer
Ingestion:	

**Material Safety Data Sheet**

Chronic Exposure:		
Explanation of carcinogenicity:	CARCINOGENIC EFFECTS: Not available	
Medical conditions aggravated by exposure:		
Section 3: Composition Information		
INGREDIENT	CAS No.	CONTENT
Water	7732-18-5	35
Nitric Acid, Fuming	7697-37-2	65
Section 4: FIRST AID MEASURES		
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately	
Ingestion:	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately	
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.	
Eye:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately	



Material Safety Data Sheet

Advice to Doctor:	
Section 5: FIREFIGHTING MEASURES	
Flash Point:	
Combustion Products:	Not available
Extinguishing Media:	Explosive in presence of reducing materials, of organic materials, of metals, of alkalis. Non-explosive in presence of open flames and sparks, of shocks
Protective Equipment:	
HAZCHEM Code:	
Section 6: ACCIDENTAL RELEASE MEASURES	
Spills and Disposal:	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate
Protective Clothing:	
Environmental:	
Section 7: HANDLING AND STORAGE	
Handling:	Keep locked up.. Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material.. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

**Material Safety Data Sheet**

Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from acids, alkalies, reducing agents and combustibles. See NFPA 43A, Code for the Storage of Liquid and Solid Oxidizers. Do not store above 23°C (73.4°F).
Other Information:	
Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION	
Exposure Limits:	
Protective Equipment:	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location
Hygiene Precautions:	
Section 9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Liquid
Odour:	Acrid. Disagreeable and choking. (Strong.)
Specific Gravity:	1.408 (Water = 1)
Bulk Density:	
pH:	Acidic
Solubility in Water:	Easily soluble in cold water, hot water. Soluble in diethyl ether
Flash Point:	Not available
Melting Point:	

**Material Safety Data Sheet**

Other Information:	
Section 10: STABILITY AND REACTIVITY	
Stability:	The product is stable
Hazardous Decomposition Products:	
Conditions to Avoid:	Highly reactive with alkalis. Reactive with reducing agents, combustible materials, organic materials, metals, acids.
Materials to Avoid:	In presence of traces of oxides, it attacks all base metals except aluminum and special chromium steels. It will attack some forms of plastics, rubber, and coatings. No corrosive effect on bronze. No corrosivity data for zinc, and steel
Section 11: TOXICOLOGICAL INFORMATION	
ERMA Classification:	
Ingestion:	
Inhalation:	
Skin:	
Eye:	
Chronic Effects:	
Other Information:	
Section 12: ECOLOGICAL INFORMATION	
ERMA	

**Material Safety Data Sheet**

Classification:	
Ecotoxicity:	Not available
Section 13: DISPOSAL INFORMATION	
Product Disposal::	Waste must be disposed of in accordance with federal, state and local environmental control regulations
Container Disposal:	
Section 14: TRANSPORT INFORMATION	
UN Number:	2031
Proper Shipping Name:	Nitric Acid
DG Class:	8
UN Packing Group:	II
Other Information:	
Section 15: REGULATORY INFORMATION	
Section 16: OTHER INFORMATION	