Safety Data Sheet according to Regulation (EC) No. 1907/2006 (RFACH)



Revision Date: 05.08.2022 Version 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

 Catalog No.
 TK.130341.00000

 Product Name
 Nitric Acid %65

 Cas no
 7697-37-2

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

1.2.1. Relevant identified uses

Industrial use. Use as a laboratory reagent. Scientific research and development.

1.2.2. Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Name TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.

Street ORGANİZE SAN. BÖL. MAVİ CAD. 8. SOK. NO :1 NİLÜFER / BURSA

Telephone 0224 243 21 71

E-mail erhan@tekkim.com.tr

Company Representative Erhan DİLER

1.4 Emergency Telephone Number +90 506 990 36 86

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Oxidizing liquid, Category 3 Corrosive to metals, Category 1 Acute toxicity, Category 3, Inhalation Skin Corrosion, Category 1A

For the full text of the H and EUH statements referred to in this section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms







Signal word (SEA)

DANGER

Hazard Statements (SEA)

H272 May intensify fire; oxidizer.

H290 May corrode metals.

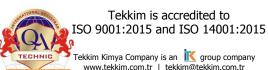
H314 Causes severe skin burns and eye damage.

H331 Toxic by inhalation.

Precautionary Statements (SEA)







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P280 Wear protective gloves/protective clothing/eye protection/face protection.

Intervention

P301+P330+P331 IF SWALLOWED: Rinse mouth. DO NOT try to vomit.

P304+P341 IF INHALED: If breathing is difficult, move victim to fresh air and keep in a position comfortable for

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

P308+P313 IF exposed and concerned: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

Classification according to Regulation (EC) No. 1272/2008 (CLP)

3.1 Maddeler

231-714-2 EC No 63.01 g/mol Molar mass Cas No 7697-37-2

Concentration (>= 65 % - < 70 %)

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of accident or unwellness, seek medical advice immediately General information

(show directions for use or safety data sheet if possible).

Remove to fresh air. Call a doctor. If breathing stops: apply mechanical Following inhalation

respiration immediately, with oxygen if necessary.

Following skin contact Wash with plenty of water. Remove contaminated clothing. In case of

skin reactions consult a doctor.

Following eye contact In case of contact with eyes, rinse immediately with plenty of water and

consult an ophthalmologist.

Give up to two glasses of water. Get medical help immediately. Do not Following ingestion

induce vomiting. Do not try to neutralize.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures appropriate to the environment.

Unsuitable extinguishing media

There is no restriction for this item.

5.2 Special hazards arising from the substance or mixture

May form free in case of fire: Nitrous oxide. In case of fire, dangerous flammable gases or vapors may develop. It has fire-increasing properties depending on oxygen. It is not flammable.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. Keep a safe distance to cut off contact with skin and wear suitable protective clothing.

5.4 Additional information

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures





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Advice for non-emergency personnel: Don't breathe vapours, aerosols. Avoid substance contact. Keep away from head and source of ignition. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert..

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Close drainage channels. Take up with liquid-absorbent material. Clean the affected area.

6.4 Reference to other sections

Disposal: see section 13.

6.5 Additional information

Clear spills immediately.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advices on safe handling

Observe label precautions. Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advices on general occupational hygiene

Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in dry and well-ventilated places. Metal packaging should not be used.

7.3 Specific end uses

There are no other specific uses other than those mentioned in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Nitric acid (7697-37-2)

TR MAK Acceptable 2 mbp

maximum 5 mg / m3

concentration (MAK)

TR OEL Another time 1 mbp

unless specified, 15 2.6 mg / m3

for a minute

not to be exceeded upper limit of exposure

value (STEL):

8.2 Exposure controls

Appropriate engineering controls

More attention should be paid to technical measures against the use of personal protective equipment.

Personal protection equipment

Eye/face protection

Safety glasses

Hand protection





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Hand protection

Full contact

Glove material: Viton (R) Glove thickness :0,70 mm

Break through time: >480 minute

Splash contact

Glove material: Natural rubber Glove thickness: 0,60 mm Break through time: >100 minute

The protective gloves to be used must comply with the specifications of directive 89/686/EEC and the related standart

No information.

Not applicable.

No information.

No information.

No information.

No information.

9,4 hPa 20 °C

No information. 1,39 g/cm3 20 °C

No information.

No information.

No information.

No information.

Soluble.

pressure.

1.013 hPa

It can be distilled without decomposition at normal

121 °C

EN374.

Other skin protection

Acid-resistant protective clothing

Respiratory protection

Required when vapors are generated. Recommended filter type: E-(P3) filter

SECTION 9: Physical and chemical Properties

9.1 Information on basic physical and chemical properties

Physical state Colour Transparent Odour Stinging Odour threshold 0,27 mbp 20 °C pH value < 1

-32 °C Melting point/freezing point

Freezing point

Initial boiling point and boiling range

Flash point Evaporation rate Flammability (solid, gas)

Upper/lower flammability or explosive limits Upper/lower flammability or explosive limits

Vapour pressure Vapour density Density

Relative density Water solubility (g/l) Fat solubility (g/l)

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Kinematic viscosity Dynamic viscosity No information. Explosive properties No information.

Oxidising properties It is not classified as explosive. As an oxidizer with subcategory 3 classified.

SECTION 10: Stability and Reactivity

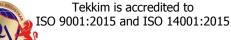
10.1 Reactivity

It is a strong oxidizer.

10.2 Chemical stability







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The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Acetone, acetonitrile, acetylidene, alcohols, antimony hydride, arsenic hydride, organic substances, benzene, phosphides, anilines, amines, halogenated hydrocarbon, diethylether, dimethyl ether, hydrazines, nitro compounds, sulphides, dioxane, acetic acid, acetic anhydride, ethanol ethylene glycol, fluorine, formaldehyde, rubber, oils, hydrazine hydrate, hydrocarbons, copper, lithium silicide, organic solvents, manganese, cyanides, powdered metals, methanol, gasoline (petroleum), phosphorus hydrogen, anhydrides, reducing compounds, sulfur dioxide, There is a risk of explosion with boranes, thiocyanates, titanium, toluene, foreign materials, hydrogen peroxide, tin, sugars, xylene, dichloromethane.

There is a risk of explosion or formation of flammable gases or vapors with amines, ammonia, combustible materials, aldehydes, furfuryl alcohol, hydrogen iodide, potassium, lithium, magnesium, phosphides, sodium, hydrides, phosphorus, pyridine, hydrogen sulfate.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Cellulose, metals. Contact with metals causes the formation of nitric gases and hydrogen.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute inhalation toxicity LC50 Rat:> 2.65 mg / I; 4 hrs; steam OECD Test Guideline 403

Acute inhalation toxicity

Symptoms: Burning of mucous membranes, Cough, Shortness of breath, Possible damages:, damage to respiratory system, After latency period:, Inhalation may cause edema of respiratory system.

Acute toxicity estimate: 4.62 mg / I; 4 hrs; steam

Acute oral toxicity

Symptoms: If swallowed, there is a risk of perforation of the esophagus and stomach, with severe burning of the mouth and throat.

Skin irritation

Mixture causes severe burns.

Eye irritation

The mixture causes serious eye damage. Blindness risk!

11.2 Additional information

After receiving:

Blood-containing vomit, severe pain (risk of perforation!), Tissue damage, death.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

Methods for measuring biological degradation cannot be applied to inorganic substances.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB.







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12.6 Other adverse effects

Biological effects:

Harmful effect due to pH change. Creates corrosive mixtures even when diluted. It does not cause biological oxygen depletion. It is dangerous for drinking water supplies.

Discharge into environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

It must be disposed of in accordance with national and local regulations. Do not mix with other products. Uncleaned Treat packages as if it were the product itself ... Waste materials must be disposed of in accordance with national and local regulations.

SECTION	│14: Transpo	ort inf	formation
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SECTION 14: Transport Information							
ADR	IMDG	IATA	ADN	RID			
14.1 UN number							
UN 2031	UN 2031	UN 2031	UN 2031	UN 2031			
14.2 UN proper shipping name							
NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid	NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid	NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid	NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid	NITRIC ACID other than red fuming, with at least 65% but with not more than 70% nitric acid			
14.3 Transport hazard class(es)							
8(5.1)	8(5.1)	8(5.1)	8(5.1)	8(5.1)			
14.4 Packing group							
II	II	II	II	II			

14.5 Environmental hazards

YES YES YES YES YES YES

No information available. No information available. No information available. No information available. No information available.

14.6 Special Precautions for User:

No information available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental legislation specific for the substance or mixture

This product safety data sheet complies with the requirements of EU Regulation 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been conducted for this substance.

SECTION 16: Other informations

Full text of H statements

H272 May intensify fire; oxidizer.

H290 May corrode metals.

H314 Causes severe skin burns and eye damage.

H331 Toxic by inhalation.







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Person Who Prepared the Safety Data Sheet:

Name:
Certificate Number and Date:

Erhan DİLER

Communication information: 11.29.03 & 11 Şubat 2020

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