

HYDROCHLORIC ACID 32-33%

Safety Data Sheet

Date of issue: 24/01/2024

Revision date: 24/01/2024

Version: #1

SECTION 1: Identification

1.1. Identification

Product name : Hydrochloric Acid 32-33%
EC number : 231-595-7
CAS-No. : 7647-01-0
Formula : HCl

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

Use of substance/mixture : PC21: Laboratory chemicals.

1.3. Supplier

FARSA Group Ltd
Sales@farsagroup.az

1.4. Emergency contacts

Emergency number : +994512707856

SECTION 2: Hazard(s) identification

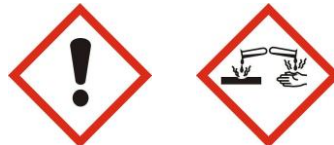
2.1. Classification of the substance or mixture

Classification under CLP : STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Met. Corr. 1: H290
Classification under CHIP : Xi: R36/37/38
Most important adverse effects : Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May be corrosive to metals.

2.2. Label elements

Label elements under CLP:

Pictogram :



GHS07: Exclamation mark GHS05: Corrosion

Signal word :

Warning

Hazard statements :

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H290: May be corrosive to metals.

Precautionary statements :

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor if you feel unwell.

2.3. Other hazards

PBT : This product is not identified as a PBT/vPvB substance.

Other hazards :

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

No relevant (mixture)

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3.2. Mixtures

Hazardous ingredients:

Hydrochloric Acid				
EC	CAS	CHIP Classification	CLP Classification	Percent
231-595-7	7647-01-0	-	Skin Corr. 1B: H314; STOT SE 3: H335	32-33%

Non-hazardous ingredients:

Water				
EC	CAS	CHIP Classification	CLP Classification	Percent
-	7732-18-5	-	-	67-68%

SECTION 4: First-aid measures

4.1. Description of first aid measures

Skin contact	: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	: Wash out mouth with water. Consult a doctor.
Inhalation	: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact	: There may be irritation and redness at the site of contact.
Eye contact	: There may be irritation and redness. The eyes may water profusely.
Ingestion	: There may be soreness and redness of the mouth and throat.
Inhalation	: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed/immediate effects	: Immediate effects can be expected after short-term exposure.

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

Immediate/special treatment	: Eye bathing equipment should be available on the premises.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguishing media	: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	: In combustion emits toxic fumes.
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5.3. Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
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6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and materials for containment and cleaning up

Clean-up procedures	: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.
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6.4. Reference to other section

Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in cool, well-ventilated area. Keep container tightly closed.
Suitable packaging	: Not applicable.

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7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

76-47-01-0, Hydrochloric Acid, ACGIH: 2ppm Ceiling.

76-47-01-0, Hydrochloric Acid, NIOSH: 5ppm Ceiling; 7 mg/m³ Ceiling.

8.2. Exposure controls

Engineering measures	: Ensure there is sufficient ventilation of the area.
Respiratory protection	: Self-contained breathing apparatus must be available in case of emergency.
Hand protection	: Protective gloves.
Eye protection	: Safety glasses. Ensure eye bath is to hand.
Skin protection	: Protective clothing.
Environmental	: Do not let product enter drains. Prevent from entering in public sewers or the immediate environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid	Decomposition temperature	No data available
Colour	Colourless	pH	<1 at 20°C
Odour	Stinging	Viscosity	No data available
Melting/freezing point	-50°C (solidification point)	Water solubility	at 20°C soluble
Initial boiling point/range	No data available	Partition coefficient n-octanol/water	Not applicable
Flammability (solid, gas)	No data available	Vapor pressure	No data available
Lower/upper explosion limit	No data available	Density	1.16 g/cm ³ at 20°C
Flash point	Not applicable	Relative vapor density	No data available
Auto-ignition temperature	No data available	Particle characteristic	No data available

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reaction

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT INH DRM	Hazardous: calculated

Symptoms/routes of exposure

Skin contact	: There may be irritation and redness at the site of contact.
Eye contact	: There may be irritation and redness. The eyes may water profusely.
Ingestion	: There may be soreness and redness of the mouth and throat.
Inhalation	: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed/immediate effects	: Immediate effects can be expected after short-term exposure.
Other information	: Not applicable.
Aspiration hazard	: Shall not be classified as presenting an aspiration hazard.

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SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation potential

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations	: Transfer to a suitable container and arrange for collection by specialized disposal company.
Recovery operations	: Not applicable.
Disposal of packaging	: Dispose of as unused product.
NB	: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

14.1. UN number

ADR/IMDG/IATA : UN1789

14.2. UN proper shipping name

ADR/IMDG/IATA : HYDROCHLORIC ACID

14.3. Transport hazard class(es)

ADR/IMDG/IATA : 8

14.4. Packing group

ADR/IMDG/IATA : II

14.5. Environmental hazards

ADR/IMDG/IATA : No

14.6. Special precautions for user

Tunnel restriction code : (E)

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Phrases used in s.2 and 3

- : H290: May be corrosive to metals.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- R36/37/38: Irritating to eyes, respiratory system and skin.

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text