

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

1.1. Product identifier

Trade name / designation	ARC Foro SapH Etch
Article No (user)	Not available

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

Relevant identified uses	Etching Liquid
Uses advised against	Not available

1.3. Details of the supplier of the safety data sheet

Supplier	ARC C.S.I. Limited Ballykillduff, Tobinstown, Tullow, Co. Carlow. R93HD99 Ireland +353830964453
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1.4. Emergency Telephone Number

Ireland (National Poisons Information Centre) 01 809 2166

SECTION 2: Hazards identification


2.1. Classification of the substance or mixture

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



2.2. Label elements

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

Danger symbol	
Signal word	Warning
Product identifier	-
Danger	-
Supplemental Hazard information (EU)	-
General statements	-
Prevention statements	May cause mild skin irritation if not rinsed off with soap and water May cause eye irritation if not rinsed out with copious amounts of water.

	Wear protective gloves/eye protection Wash thoroughly after handling
Response statements	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.
Storage statements	-
Disposal statements	-
Additional information	-

2.3. Other hazards

Not available

SECTION 3: Composition/information on ingredients

No ingredients are hazardous according to REACH criteria. No components need to be disclosed according to the applicable regulations. The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Following inhalation	Provide fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Immediately call a doctor.
Following skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
Following eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
Following ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.
Self-protection of the first aider	Not available

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

Symptoms	May cause mild eye irritation if not rinsed with copious amounts of water.
Effects	Not available

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

Notes for the doctor	Treat symptomatically.
Special treatment	Not available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Product does not support combustion, use extinguishing agent for type of surrounding fire.

5.2. Special hazards arising from the substance or mixture

Not available

5.3. Advice for firefighters

Special protective equipment for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Do not inhale explosion and combustion gases.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

Do not breathe vapour.

Provide adequate ventilation.

For non-emergency personnel: Remove persons to safety.

Personal precautions: Use personal protection equipment.

For emergency responders: Wear personal protective clothing (see section 8).

Personal protection equipment: Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Ensure waste is collected and contained.

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up

For containment: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid or universal binding agents).

For cleaning up: Collect in closed and suitable containers for disposal.

Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Disposal: see section 13

Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes.

Do not breathe vapors or spray mist.

For precautions see section 2.2.

Protective measures: Environmental precautions: See section 8.

Advices on general occupational hygiene: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a well-ventilated place.

Store in a dry place.

Open containers must be carefully closed/resealed and kept upright to prevent leakage.

Do not mix with strong oxidizing agents

Advice on joint storage: Storage class: no classification

7.3. Specific end uses

Not available

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Use personal protective equipment as required.

Handle in accordance with good industrial hygiene and safety practices.

8.2.2. Personal protection equipment



Eye protection

Eye protection: Eye glasses with side protection.

Hand protection

Wear protective gloves.

Suitable gloves type: NBR (nitrile rubber)

Additional hand protection measures.: N/A

Do not wear gloves near rotary machines and tools.

Remark: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wash hands before breaks and after work.

Respiratory protection

Usually no personal respiratory protection necessary.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

8.2.4. Consumer exposure controls

Not available

Additional information Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Physical state: liquid Colour: No data available
Odour	Mild soapy
Odour threshold	Value: No data available
pH	Value: No data available
Melting point/freezing point	Value: < -32°C
Initial boiling point and boiling range	Value: > 101°C
Flash point	Value: No data available
Evaporation rate	Value: No data available
Flammability	Value: No data available
Vapour pressure	Value: No data available

Vapour density	Value: No data available
Relative density	Value: 1.12 ± 0.02 Value:
Solubility(ies)	100% Soluble
Partition coefficient: n-octanol/water (Log KOC)	Value: liquid
Auto-ignition temperature	Value: No data available
Decomposition temperature	Value: No data available
Viscosity	Value: No data available
Explosive properties	Value: No data available
Oxidising properties	Value: No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Not available

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.
In the event of fire, see section 5.

Additional information Not available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1. Toxicokinetics, metabolism and distribution

Acute toxicity - LD50 Oral - rat - 3,360 mg/kg

11.1.2. Information on toxicological effects

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitisation: no data available

Repeated dose toxicity (subacute, subchronic, chronic): no data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.

11.1.3. Symptoms related to the physical, chemical and toxicological characteristics

Not available

11.1.4. Carcinogenicity, mutagenicity or reproductive toxicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Additional information Not available

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Does not bioaccumulate

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment options:

Appropriate disposal / Product: Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

Appropriate disposal / Package: Handle contaminated packages in the same way as the substance itself.

Remark: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

For recycling, contact manufacturer.

Additional information Not available

SECTION 14: Transport information

The product is not considered as dangerous good for transport.

SECTION 15: Regulatory information

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

EU legislation: Not applicable

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

Additional information

Not available

SECTION 16: Other information

Indication of changes

Not applicable

Abbreviations and acronyms

<https://phrases.esdscom.eu/>

Key literature references and sources for data

This information is not available.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Not available

Relevant R-, H- and EUH-phrases (Number and full text)

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.