

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Sif Pickling Paste
Product Code FXPICK20
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) Treatment of metal surfaces.
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Supplier
Company Identification Weldability Sif
Address of Supplier Peters House,
Orbital Centre,
Icknield Way,
Letchworth Garden City,
Hertfordshire, UK.
Postal code SG6 1ET
Telephone: +44 (0) 870 330 7757
Fax +44 (0) 800 970 7757
E-mail service@weldability-sif.com
Office hours 8:30 – 17:30

1.4 Emergency telephone number

National response centre
Address National Poisons Information Service (Birmingham Centre)
City Hospital
Dudley Road,
Birmingham,
United Kingdom
Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 2 :Fatal in contact with skin.
Acute Tox. 3 :Toxic if swallowed.
Acute Tox. 3 :Toxic if inhaled.
Eye Dam. 1 :Causes serious eye damage.
Met. Corr. 1 :May be corrosive to metals.
Skin Corr. 1B :Causes severe skin burns and eye damage.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Sif Pickling Paste

Hazard Pictogram(s)



GHS06



GHS05

Signal Word(s)

Danger

Hazard Statement(s)

H290: May be corrosive to metals.
H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H331: Toxic if inhaled.

Precautionary Statement(s)

EUH071: Corrosive to the respiratory tract.
P260: Do not breathe mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
magnesium fluoride	7783-40-6	231-995-1 01-2120736802-55-XXXX	10-20	STOT SE 3 H335	GHS07
nitric acid ... %	7697-37-2	231-714-2 01-2119487297-23-XXXX	1- 10	Ox. Liq. 2 H272 Skin Corr. 1A H314	GHS03 GHS05
hydrofluoric acid ... %	7664-39-3	231-634-8 01-2119458860-33-XXXX	5-7	Acute Tox. 2 H300 Acute Tox. 1 H310 Skin Corr. 1A H314 Acute Tox. 2 H330	GHS06 GHS05

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Rinse mouth. Immediately drink calcium solution (calcium tablets dissolved in water). Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns. Toxic if swallowed or if inhaled .Fatal in contact with skin. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

4.3 Indication of any immediate medical attention and special treatment needed

First treatment with calcium gluconate paste. Immediately drink calcium solution (calcium tablets dissolved in water). Symptoms of poisoning may appear several hours later. Medical supervision for minimum 48 hours.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Hydrogen fluoride, Nitrogen oxides .

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Evacuate area. Wear appropriate personal protective equipment, avoid direct contact.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Cautiously neutralize spilled liquid. Adsorb spillages onto sand, earth or any suitable adsorbent material. Absorb spillage to prevent material damage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Keep only in original packaging. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a corrosion-resistant container with a resistant inner liner. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Only allow access to authorised staff.

Storage temperature

0-40°C

Storage life

Stable under normal conditions.

Incompatible materials

Alkalis, metal.

7.3 Specific end use(s)

Treatment of metal surfaces.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Nitric acid	7697-37-2			1	2.6	
Nitric acid	7697-37-2	0	0	1	2.6	IOELV
Fluoride (inorganic as F)	7783-40-6		2.5			
Fluorides, inorganic	7783-40-6	0	2.5	0	0	IOELV
Hydrogen fluoride (as F)	7664-39-3	1.8	1.5	3	2.5	
Hydrogen fluoride	7664-39-3	1.8	1.5	3	2.5	IOELV
Fluorides, inorganic	7664-39-3	0	2.5	0	0	IOELV

Region	Source
EU	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes
IOELV	IOELV: Indicative Occupational Exposure Limit Value

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Material : Breakthrough time : thickness of coating
Fluorinated rubber : 480minutes : 0.4mm
Nitrile rubber : 480minutes : 0.35mm
Butyl rubber : 480minutes : 0.5mm
Natural rubber : 480minutes : 0.5mm
PVC : 480minutes : 0.5mm
Polychloroprene : 480minutes : 0.5mm



Respiratory protection Wear: Gas filtering respirator (DIN EN 14387)
insufficient ventilation : Self-contained respirator (DIN EN 133)



Thermal hazards Not applicable.

8.2.3. Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Pastes Colour : Colourless.
Odour	Stinging
Odour threshold	Not available.
pH	<2 @ 20°C (undiluted)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash Point	Not applicable
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	23 hPa @ 20°C
Vapour density	Not available.
Density (g/ml)	1.25g/cm ³ @ 20°C
Relative density	Not available.
Solubility(ies)	Solubility (Water) : Completely miscible with water. Solubility (Other) : Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

Metal corrosion rate	Corrosive to metals
----------------------	---------------------

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Reacts with metals liberating hydrogen.

10.4 Conditions to avoid

Keep away from frost. Heat and direct sunlight.

10.5 Incompatible materials

Alkalis, metal.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Calculation method : Toxic if swallowed. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 83.33000
Acute toxicity - Skin Contact	Calculation method : Fatal in contact with skin. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 83.33000
Acute toxicity - Inhalation	Calculation method : Toxic if inhaled. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 8.33000
Skin corrosion/irritation	Calculation method : Causes severe skin burns and eye damage.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and Degradation

No information on this formulation.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

12.4 Mobility in soil

Completely miscible with water. The product is predicted to have high mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of this material and its container as hazardous waste.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

UN No. 2922

14.2 UN proper shipping name

UN proper shipping name CORROSIVE LIQUID, TOXIC, N.O.S. (Contains: Nitric acid, hydrofluoric acid)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	8
ADR Classification Code	CT1
Special Provisions	274
Limited Quantities	1 L
Excepted Quantities	E2
Emergency Action Code	2X
Mixed Packing Instructions for Packages	P001 IBC02
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	MP15
Packing Instructions for Portable Tanks	T7
Special Provisions for Portable Tanks	TP2
Tank Code for Tanks	L4BN
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	2
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	CV13 CV28
Special Provisions for Carriage - Operation	
ADR HIN	86
IMDG	
IMDG Class	8
Special Provisions	274
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T7
Special Provisions for Portable Tanks	TP2
IMDG EMS	F-A, S-B
Stowage and Handling	Category B SW2

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name CORROSIVE LIQUID, TOXIC, N.O.S. (Contains: Nitric acid, hydrofluoric acid)

Excepted Quantities E2

Passenger and Cargo Aircraft Limited Y840

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 0.5L

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 851

Instructions

Passenger and Cargo Aircraft Max net 1L

Qty

Cargo Aircraft Packing Instructions 855

Cargo Aircraft Max net Qty 30L

Special Provisions A3, A803

Emergency Response Guidebook (ERG) 8P

Code

Labels

Labels

8 +6.1

**14.4 Packing group**

Packing group

II

14.5 Environmental hazards

Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user

Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the Not listed

manufacture, placing on the market and

use of certain dangerous substances,

mixtures and articles

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the Not listed

European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

European Parliament and of the Council

concerning the export and import of

hazardous chemicals

National regulations

Other

Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

1-16

LEGEND

Hazard Pictogram(s)



GHS06



GHS05

GHS03: GHS: flame over circle
GHS07: GHS: exclamation mark

Hazard classification

Acute Tox. 1 : Acute toxicity, Category 1
Acute Tox. 2 : Acute toxicity, Category 2
Ox. Liq. 2 : Oxidising liquid, Category 2
STOT SE 3_H335 : Specific target organ toxicity — single exposure, Category 3
Skin Corr. 1A : Skin corrosion/irritation, Category 1A

Hazard Statement(s)

H272: May intensify fire; oxidiser.
H290: May be corrosive to metals.
H300: Fatal if swallowed.
H301: Toxic if swallowed.
H310: Fatal in contact with skin.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H330: Fatal if inhaled.
H331: Toxic if inhaled.
H335: May cause respiratory irritation.
EUH071: Corrosive to the respiratory tract.

Precautionary Statement(s)

P234: Keep only in original packaging.
P260: Do not breathe mist/vapours/spray.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of water.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P311: Call a POISON CENTER/doctor.
P321: Specific treatment (see Medical Advice on this label).
P330: Rinse mouth.
P361+P364: Take off immediately all contaminated clothing. And wash it before reuse.
P363: Wash contaminated clothing before reuse.
P390: Absorb spillage to prevent material damage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P406: Store in a corrosion-resistant container with a resistant inner liner.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Weldability Sif gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Weldability Sif accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.