

BE-75 WELD CLEANING FLUID FOR STAINLESS STEEL

HSF GROUP
GmbH

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name BE-75 WELD CLEANING FLUID FOR STAINLESS STEEL
Synonym(s) WELD CLEANING FLUID FOR STAINLESS STEEL

1.2 Uses and uses advised against

Use(s) WELD CLEANING SOLUTION FOR STAINLESS STEEL

1.3 Details of the supplier of the product

Supplier name HSF GROUP GmbH
Address Wissenbacher Weg 3 | 35684 Dillenburg, Germany
Landstraße 55A | 35080 Bad Endbach, Germany
Telephone +49 (0) 2776/92278-0
Website www.hsf-group.de

1.4 Emergency telephone number(s)

DE Giftnotrufzentralen / +49 761 19240
CH TOX Info Suisse, Freiestrasse 16, CH-8032 Zürich / Nationale 24h-
Notfallnummer: 145 (aus dem Ausland: +41 44 251 51 51)

2. HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS05

Hazard Class and Category Code(s):

Skin Corr. 1, Eye Dam. 1

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07 – Danger

Hazard statement Code(s):

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.



PRODUCT NAME BE-75 WELD CLEANING FLUID FOR STAINLESS STEEL

Safety statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303/P361/P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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

2.3 Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

No information on other hazards

3. COMPOSITION/INFORMATION IN INGREDIENTS

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	CAS	EINECS	REACH	Index	Classification	Concentration
PHOSPHORIC ACID	7664-38-2	231-633-2	01-2119485 924-24	015-011-00-6	Skin Corr. 1B, H314 Limits: Skin Corr. 1B, H314 %C >=25; Skin Irrit. 2, H315 10<= %C <25; Eye Irrit. 2, H319 10<= %C <25; ATE oral = 2.600,0 mg/kg ATE dermal = 2.740,0 mg/kg	55 – 75 %
WATER	7732-18-5	231-791-2				Remainder
ADDITIVE(S)						<5 %

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, wash with soap and water and see doctor if irritation persists. For chronic exposure remove clothes, have a shower and call a doctor.

Ingestion For advice, contact a Poison Information Centre or a doctor (at once). If swallowed, do not induce vomiting..

POISON CENTERS

Belgien:	+32 70 245 245
Deutschland:	+49 684 1 192 40
Frankreich	+33 1 40 05 48 48
Italien:	+39 02 6610 1029
Niederlande:	+31 30 274 88 88
Schweiz:	+41 44 251 51 51
Spanien:	+34 156 20420
Polen:	+48 12 411 99 99
Tschechische Republik:	+420 22 49 192 93

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Firefighting measures must be appropriate to local conditions and the environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Non-flammable. When the decomposition temperature is reached, gases (phosphorus oxides) can be released.

5.3 Advice for firefighters

Follow local fire guidelines: Evacuate area and call emergency and rescue services. Remain on the upwind side of the fire source and inform those downwind. Wear full protective gear including self-contained breathing apparatus when fighting fire. Cool intact containers and surrounding storage areas with water fog.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Bei Austritt großer Mengen persönliche Schutzausrüstung tragen. ACHTUNG: Austrittsstelle kann rutschig sein.

6.2 Environmental precautions

Produkt nicht in Gewässer und Kanalisation gelangen lassen.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4 Reference to other sections

Refer to paragraphs 8 and 13 for more information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the product label carefully before use. Ensure good room ventilation, if necessary suction at the workplace. Observe hygiene measures, wash hands before meals. Eating, drinking and smoking are prohibited in contaminated areas. The solution must not be used in spray processing.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry and well-ventilated place away from oxidizing agents, acids, active metals and food. Ensure containers are appropriately labeled, protected from damage and tightly closed until ready for use. Check regularly for leaks or escaping liquids.

7.3 Spezifische Endanwendung(en)

No information provided

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Related to contained substances:

phosphoric acid:

Type of limit value (country of provenance): STEL (UK) Limit value: 2 mg / m³ (15 min average IOELV)

Type of limit value (country of provenance): TWA (UK) Limit value: 1 mg / m³

Substance: phosphoric acid

DNEL

Systemic effects Long term Workers inhalation = 10,7 (mg/m³)#

Systemic effects Long term Consumers inhalation = 4,57 (mg/m³)

Systemic effects Long term Consumers oral = 0,1 (mg/kg bw/day)

Local effects Long term Workers inhalation = 1 (mg/m³)

Local effects Long term Consumers inhalation = 0,36 (mg/m³)

Local effects Short term Workers inhalation = 2 (mg/m³)

8.2 Exposure controls

Technical control measures

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended

PPE

Eye / Face

Wear splash-proof goggles.

Hands

Wear PVC or rubber gloves.

Body

Wear good quality (cotton drill etc) work wear and use common sense and section 4 First aid measures if required. If using large quantities for long periods, or if working at eye level or overhead, coveralls, rubber boots and PVC apron should be used.

Respiratory

In case of inhalation danger wear a type B respirator (inorganic gases and vapors)



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<u>Physical and chemical properties</u>	<u>Wert</u>	<u>Bestimmungsmethode</u>
Physical state	liquid	visuell
Colour	clear yellow liquid	visuell
Odour	sweet smell	olfactory
Odour threshold	not determined	\
Melting point/freezing point	<= 0 °C	aqueous mixture
Boiling point or initial boiling point and boiling range	>= 145°C	aqueous mixture
Flammability	irrelevant	\
Lower and upper explosion limit	irrelevant	\
Flash point	nonflammable	ASTM D92
Auto-ignition temperature	irrelevant	\
Decomposition temperature	not determined	\
pH	1 to 3	pH-meter
Kinematic viscosity	not determined	\
Solubility	in water	chemical-physical property
Water solubility	completely soluble	chemical-physical property
Partition coefficient n-octanol/water (log value)	not determined	\
Vapour pressure	not determined	\
Density and/or relative density	1,57±0,05 kg/dm ³	bulb density meter
Relative vapour density	not determined	\
Particle characteristics	irrelevant	\

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No data available.

9.2.2 Sonstige-sicherheitstechnische-Kenngrößen

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazards

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), alkalis (e.g. sodium hydroxide) and metals

10.6 Hazardous decomposition products

May evolve toxic gases (phosphorus oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (E5) No 1171/L008

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation: Corrosive product: causes severe skin burns and eye damage.

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

(d) respiratory or skin sensitisation: based on available data, the classification criteria are not met.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: phosphoric acid: One Generation Reproductive Toxicity Essay

Parameter: NOAEL (C) (PHOSPHORIC ACID; CAS No.: 7664-38-2)

Route of exposure: Rat, Effective dose: >= 500 mg / kg bw / day

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) repeated exposure phosphoric acid: Study data: oral

NOAEL (dog): 322.88 - 492.77 mg/kg bw/day; LOAEL (rat): 155 mg/kg bw/day

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

phosphoric acid:

LD50 (rat) Oral (mg/kg body weight) = 2600

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2740

11.2 Information on other hazards

No data available.

12. ENVIRONMENTAL INFORMATION

12.1 Toxicity

Related to contained substances:

phosphoric acid:

Short-term toxicity to aquatic invertebrates:

EC50 (48 h) 100 mg/L; NOEC (48 h) 56 mg/L

Toxicity to aquatic algae and cyanobacteria:

EC50 (72 h) 100 mg/L; NOEC (72 h) 100 mg/L

Toxicity to microorganisms:

EC50 (3 h) 1 g/L; NOEC (3 h) 1 g/L

Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal

For small amounts (as determined by risk assessment or similar): Wearing the protective equipment detailed above, neutralise to pH 6-8 by SLOW addition to a saturated sodium bicarbonate solution or similar basic solution. Dilute with excess water and flush to drain. Waste disposal should only be undertaken in a well ventilated area. For larger amounts: Dispose in accordance with local regulations..

Legislation

Dispose of in accordance with relevant local legislation

14. TRANSPORT INFORMATION

14.1 UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 1805



14.2 UN proper shipping name

PHOSPHORIC ACID,

14.3 Transport hazard class(es)

LAND TRANSPORT (ADR / RID): 8

Limited quantities: 5L

tunnel restriction code: E

Klemmer number: 80

SEA TRANSPORT (IMDG): 8

Limited quantities: 5L

EmS : F-A, S-B

AIR TRANSPORT (ICAO-IATA): 8

14.4 Packing group

LAND TRANSPORT (ADR / RID): III

SEA TRANSPORT (IMDG): III

AIR TRANSPORT (ICAO-IATA): III

14.5 Environmental hazards

No.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

15. REGULATORY INFORMATION

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

Water hazard class (WGK): 1 - slightly hazardous to water

Classification on the basis of components according to the administrative regulation for substances hazardous to water (VwVwS) of July 27, 2005Stoffe der Kandidatenliste (REACH Artikel 59)

Based on available data, no SVHC substances are included

15.2 Chemical safety assessment

No chemical safety assessment was carried out by the supplier

16. OTHER INFORMATION

Description of the hazard statements exposed to point 3

H314 = Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

Einstufung und Verfahren zur Ableitung der Einstufung für Gemische gemäß Verordnung (EG) Nr. 1272/2008 [CLP]:

Einstufung gemäß Verordnung (EG) Nr. 1272/2008

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

Report status:

This document has been prepared as a safety data sheet for the product BE-75. The information was released to the best of our knowledge from literature reference works. Although great care has been taken to present current information in all correctness, its completeness or accuracy cannot be guaranteed. For this reason, no liability can be accepted for losses, injuries or damage (including consequential damage) that has arisen to a person who has trusted this information. This product must not be mixed, mixed or processed with other products, as the resulting changes to the product do not correspond to the original information in the safety data sheet.

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[End of SDS]