
SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

- Datasheet Number: 604371-R2
- Product Name: ALBRO FLUX 263 PF
- Product Part Number: 604371

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

- Welding flux

1.3 Details of the supplier of the safety data sheet

Head Office:

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

- Responsible Person:

Product HSE Manager, Tel.: +31 10 4877775
Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT-

NCEC:+44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

****FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES****

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008
- Symbols: GHS05, GHS07, GHS08, GHS09
- STOT RE 2
- Skin Corr. 1B
- Aquatic Chronic 2
- STOT SE 3
- May cause damage to organs through prolonged or repeated exposure (H373).
- Causes severe skin burns and eye damage (H314).
- Toxic to aquatic life with long lasting effects (H411).
- May cause respiratory irritation (H335).

SECTION 2 Hazards identification (....)

- May cause drowsiness or dizziness (H336).
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- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Symbols: Xn, Xi, N
- Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed (R48/20/22)
- Irritating to eyes, respiratory system and skin (R36/37/38)
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

2.2 Label elements

Harmful



Dangerous for the Environment

- Contains:
 - potassiumhexafluoroaluminate
- Risk Phrases
 - Irritating to eyes, respiratory system and skin (R36/37/38)
 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed (R48/20/22)
 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
- Safety Phrases
 - Do not breathe vapour (S23)
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point (S29/56)
 - Wear suitable protective clothing (S36)
 - If swallowed seek medical advice immediately and show this container or label (S46)

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not applicable

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- zinc chloride
 - Concentration: <5%
 - CAS Number: 7646-85-7
 - EC Number: 231-592-0
 - R/H Phrases: H302,H314,H400,H410, R22,R34,R50/53
 - Symbols: GHS05,GHS07,GHS09, C, N
 - Categories: Acute Tox. 4 * Skin Corr. 1B Aquatic Acute 1 Aquatic Chronic 1
- potassiumhexafluoroaluminate
 - Concentration: <5%
 - CAS Number: 13775-52-5
 - EC Number: 237-409-0
 - R/H Phrases: H372, H302, H315, H319, R48/23/25, R20/22, R52/53
 - Symbols: T, Xn
 - Categories: Not available
- lithium chloride
 - Concentration: <5%
 - CAS Number: 7447-41-8

SECTION 3 Composition/information on ingredients (....)

EC Number: 231-212-3
R/H Phrases: H302, H319, H315, R22, R36/38
Symbols: GHS07, Xn, Xi
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2

SECTION 4 First aid measures

4.1 Description of first aid measures

- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
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- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- If skin irritation occurs: Get medical advice/attention (P332+P313).
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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek immediate medical attention
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- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Obtain immediate medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Severe irritant to respiratory system, skin and eyes

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- May be extinguished with water fog/spray. Use alcohol resistant foam if available

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
 - Wear chemical protection suit and positive-pressure breathing apparatus
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Avoid scattering in the environment
- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place

7.3 Specific end use(s)

- Not applicable
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- WEL (long term) (CAS:7646-85-7) 1 mg/m³
- WEL (short term) (CAS:7646-85-7) 2 mg/m³

8.2 Exposure controls

- No special precautions are required for this product

8.3 Occupational exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear suitable respiratory protection. Gas cartridge (organic substances).
- Wear goggles giving complete eye protection
- Wear neoprene or nitrile gloves
- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



Gloves

Goggles

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: paste, white
- Odour: Characteristic odour
- pH: pH 8 at Root % concentration
- Solubility in water: partly soluble in water
- Density: Density 1,5 g/cm³ at 20 deg C
- Boiling Point/Range: 110C
- Melting point/Range: >450C

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
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SECTION 10 Stability and reactivity (....)

10.4 Conditions to avoid

- Avoid overheating

10.5 Incompatible materials

- Incompatible with acid

10.6 Hazardous Decomposition Products

- Decomposition products may include hydrogen
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral, rat) (CAS:13775-52-5 potassium hexafluoroaluminate) >3000 mg/kg
- LD50 (oral, rat) (CAS:7646-85-7 zinc chloride) 350 mg/kg

11.2 Contact with eyes

- Causes severe irritation

11.3 Contact with skin

- Causes redness and irritation

11.4 Ingestion

- In cases of severe exposure, gastro-intestinal disturbances may develop

11.5 Inhalation

- In cases of severe exposure, irritation may develop
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SECTION 12 Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
 - Dispose of contents/container to an authorised waste collection point (P501)
 - Water Hazard Class (GERMAN REGULATIONS) 1 (Official)
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SECTION 14 Transport information

14.1 UN Number

- Not applicable
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SECTION 14 Transport information (....)

14.2 UN Proper Shipping Name

- Not applicable

14.3 Transport hazard class(es)

- Not applicable

14.4 Packing group

- Not applicable

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
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SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. R20/22: Harmful by inhalation and if swallowed. R22: Harmful if swallowed. R34: Causes burns. R36/38: Irritating to eyes and skin. R48/23/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

SECTION 16 Other information (....)

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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