

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

SAFETY DATA SHEET

Powerflow Flux 350g

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

1.1 Product identifier

Product name Product code : Powerflow Flux 350g

: 62516

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

Identified uses
soldering
Consumer applications.

1.3 Details of the supplier of the safety data sheet

e-mail address of person : Europeanregulatory@macdermid.com responsible for this SDS

Alpha Assembly Solutions Germany GmbH. Elisabeth-Selbert-Straße 4, 40764 Langenfeld, Germany.	Fernox UK Ltd. 2 Genesis Business Park, Albert Drive,Sheerwater, Woking, Surrey, GU21 5RW. United Kingdom.	MacDermid Alpha Hungary Kft. 2330 Dunaharaszti, Jedlik Ányos utca 2., Hungary.
Tel: +49 21738490313	Tel: +44 (0) 330 100 7750	Tel: +36 24 506 110
E-Mail: sales@fernox.com		

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number	: UK NPIS 0344 892 0111 (Healthcare professionals only)
<u>Supplier</u>	
Telephone number	: Carechem24: (+44) 1865 407333; (+44) 1235 239 670 (across Europe)
Hours of operation	: 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Eye Dam. 1, H318

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

SECTION 2: Hazards identification

Ingredients of unknown toxicity	: 6.9 (oral), 44.1 (dermal), 44.1 (inhalation) percent of the mixture consists of component(s) of unknown acute toxicity
Ingredients of unknown ecotoxicity	: Contains 6.9% of components with unknown hazards to the aquatic environment
See Section 16 for the full te	xt of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



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Signal word : Danger Hazard statements : H318 - Causes serious eye damage. Precautionary statements : General : P103 - Read carefully and follow all instructions. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand. Prevention : P280 - Wear eye or face protection: Recommended: safety glasses with side-shields. Response : P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Storage : Disposal : Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable. Special packaging requirements : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. Other hazards which do not result in classification : None known.			•
Precautionary statements General P103 - Read carefully and follow all instructions. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand. Prevention : P280 - Wear eye or face protection: Recommended: safety glasses with side-shields. Response : P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses; if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Storage : Isotridecanol, ethoxylated Supplemental label : Not applicable. elements : Not applicable. Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable. Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. Other hazards which do : None known.	Signal word	1	Danger
General : P103 - Read carefully and follow all instructions. P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand. Prevention : P280 - Wear eye or face protection: Recommended: safety glasses with side-shields. Response : P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Storage : Disposal : Hazardous ingredients : Isotridecanol, ethoxylated Supplemental label : Not applicable. elements : Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable. 2.3 Other hazards : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : None known.	Hazard statements	1	H318 - Causes serious eye damage.
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for PBT or vPvB accordingvPvB.to Regulation (EC) No.1907/2006, Annex XIIIOther hazards which do: None known.	2.3 Other hazards		
	for PBT or vPvB according to Regulation (EC) No.	:	•
		:	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

SECTION 3: (composition/information	on ingredients
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Product/ingredient name	Identifiers	%	Classification	Туре
Isotridecanol, ethoxylated	EC: 500-241-6 CAS: 69011-36-5	≥10 - <25	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	[1]
hydrobromic acid	REACH #: 01-2119479072-39 EC: 233-113-0 CAS: 10035-10-6 Index: 035-002-01-8	≤3	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Powerllow Flux 350g	4/
SECTION 4: First aid	d measures
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
4.2 Most important sympton Over-exposure signs/symp	ns and effects, both acute and delayed
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any immed	iate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
SECTION 5: Firefigh	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising	from the substance or mixture
Hazards from the substance or mixture	: No specific fire or explosion hazard.
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
5.3 Advice for firefighters	
Special protective actions	: Promptly isolate the scene by removing all persons from the vicinity of the incident

Special protective actions for fire-fighters	-	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure

equipment for fire-fighters breathing app mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for	со	ntainment and cleaning up
Small spill	:	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 5 to 30°C (41 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3	Spe	cific	end	use((s)	
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- Recommendations
- : No specific measures identified.

Industrial sector specific solutions

: No specific measures identified.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values		
hydrobromic acid	EH40/2005 WELs (United Kingdom (UK), 1/2020). STEL: 10 mg/m ³ 15 minutes. STEL: 3 ppm 15 minutes.		
Recommended monitoring : Reference should be made to appropriate monitoring standards. Reference to			

procedures

Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

EU DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Isotridecanol, ethoxylated	DNEL	Long term Oral	25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	87 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	294 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1250 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2080 mg/ kg bw/day	Workers	Systemic
hydrobromic acid	DNEL	Short term Inhalation	6.7 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	6.7 mg/m³	Workers	Local
	DNEL	Short term Inhalation	6.7 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	6.7 mg/m ³	Workers	Systemic

EU PNECs

No PNECs available

8.2 Exposure controls	
Appropriate engineering controls	 If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Individual protection meas	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: safety glasses with side-shields
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl

SECTION 8: Exposure controls/personal protection

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Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: None assigned.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: None assigned.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>		
Physical state	:	Solid. [Paste.]
Colour	:	White.
Odour	:	Characteristic.
Odour threshold	:	There are no data available on the mixture itself.
Melting point/freezing point	:	There are no data available on the mixture itself.
Initial boiling point and boiling range	:	Not available.
Flammability (solid, gas)	:	There are no data available on the mixture itself.
Upper/lower flammability or explosive limits	:	Not applicable.
Flash point	:	Not applicable.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	4	There are no data available on the mixture itself.
рН	1	<2.5
Viscosity	1	Testing not technically possible.
Solubility(ies) Not available.	:	
Solubility in water	:	There are no data available on the mixture itself.
Partition coefficient: n-octanol/ water	:	Not applicable.
Vapour pressure	:	Not available.
Evaporation rate	1	There are no data available on the mixture itself.
Relative density	1	There are no data available on the mixture itself.
Vapour density	:	Not relevant/applicable due to nature of the product.
Explosive properties	:	There are no data available on the mixture itself.
Oxidising properties	1	There are no data available on the mixture itself.
Particle characteristics		
Median particle size	1	Not relevant/applicable due to nature of the product.
9.2 Other information		
SAPT	:	Not relevant/applicable due to nature of the product.

10.1 Reactivity: Not available.10.2 Chemical stability: The product is stable.10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.10.4 Conditions to avoid: No specific data.10.5 Incompatible materials: No specific data.10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products	SECTION 10: Stabilit	nd reactivity	
10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.10.4 Conditions to avoid: No specific data.10.5 Incompatible materials: No specific data.10.6 Hazardous: Under normal conditions of storage and use, hazardous decomposition products	10.1 Reactivity	Not available.	
hazardous reactions10.4 Conditions to avoid: No specific data.10.5 Incompatible materials: No specific data.10.6 Hazardous: Under normal conditions of storage and use, hazardous decomposition products	10.2 Chemical stability	The product is stable.	
10.5 Incompatible materials : No specific data. 10.6 Hazardous : Under normal conditions of storage and use, hazardous decomposition products	•	Under normal conditions of storage and use, hazardous reactions will not occ	cur.
10.6 Hazardous : Under normal conditions of storage and use, hazardous decomposition products	10.4 Conditions to avoid	No specific data.	
.	10.5 Incompatible materials	No specific data.	
			ucts

SECTION 11: Toxicological information

11.1 Information	on toxicologica	l effects
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Acute toxicity

Conclusion/Summary : Not tested

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Powerflow Paste NV	2127.7	N/A	N/A	N/A	N/A
Isotridecanol, ethoxylated	500	N/A	N/A	N/A	N/A

Irritation/Corrosion

Conclusion/Summary	
Skin	: Not tested
Eyes	: Not tested
Respiratory	: Not tested
Sensitisation	
Conclusion/Summary	
Skin	: Not tested
Respiratory	: Not tested
Mutagenicity	
Conclusion/Summary	: Not tested
Carcinogenicity	
Conclusion/Summary	: Not tested
Reproductive toxicity	
Conclusion/Summary	: Not tested
Teratogenicity	
Conclusion/Summary	: Not tested
Specific target organ toxi	<u>city (single exposure)</u>

Product/ingredient name	Category	Route of exposure	Target organs
hydrobromic acid	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

SECTION 11: Toxicological information

Aspiration hazard

Not available.

Information on likely routes : Not tested

of exposure	
Potential acute health effects	
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Symptome veloced to the physic	singly chemical and toxical aviage cheraotoxictica
Symptoms related to the phys	sical, chemical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Delayed and initiate energy	to do wen do enrenie enceto nem short and long term expet
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

Other information

: No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Isotridecanol, ethoxylated	LC50 >1 mg/l	Fish	96 hours

Conclusion/Summary : E

: Ecological testing has not been conducted on this product.

12.2 Persistence and degradability

Version	:6	Date of issue/Date of revision	: 27 November 2024 Date of previous issue	: 13 May 2023

SECTION 12: Ecological information

Conclusion/Summary	: Not available.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Isotridecanol, ethoxylated	-	-	Not readily

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
Version : 6 Date of	issue/Date of revision : 27	November 2024 Date of previous issu	

Powerflow Flux 350g				11/12
SECTION 14: T	ransport inf	ormation		
14.4 Packing group	-	-	-	
14.5 Environmental hazards	No.	No.	No.	
Additional informati	<u>on</u>			
14.6 Special precauti user	uprig		es: always transport in closed contai ersons transporting the product know e.	
14.7 Transport in bul according to IMO instruments	k : Nota	applicable - not transported in	bulk	
SECTION 15: R	legulatory in	oformation		
UK (GB)/REACH Annex XIV - List of Annex XIV None of the comp Substances of ver None of the comp Annex XVII - Restr on the manufactur placing on the manufactur placing on the manufactur and use of certain dangerous substa mixtures and artic	f substances sub ponents are listed. ery high concern ponents are listed. ictions : Not a re, rket nces,	I regulations/legislation spo gect to authorisation	ecific for the substance or mixtur	e
EU regulations Industrial emissio (integrated pollution prevention and co Air Industrial emissio	on ntrol) -			
(integrated pollution prevention and construction Water 15.2 Chemical safety assessment	ntrol) - : This requi	red.	for which Chemical Safety Assessn	nents are still

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration BRN = REACH Registration Number
	RRN = REACH Registration Number

SECTION 16: Other information

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Eye Dam. 1, H318	Calculation method

Full text of abbreviated H statements

H302 Harmful if swallowed.	
H314 Causes severe skin burns and eye damage.	
H318 Causes serious eye damage.	
H335 May cause respiratory irritation.	
H412 Harmful to aquatic life with long lasting effects	

Full text of classifications

Acute Tox. 4 Aquatic Chronic 3 Eye Dam. 1 Skin Corr. 1B STOT SE 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Data of arighting	10 February 2005
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Notice to reader	

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Fernox SDS CLP Europe