

# SAFETY DATA SHEET

## F41 BLUE BLITZ

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

#### 1.1. Product identifier

**Trade name:** F41 BLUE BLITZ  
**Product no.:** F41

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

**Relevant identified uses of the substance or mixture:** Cleaning product  
**Uses advised against :** None known.

#### 1.3. Details of the supplier of the safety data sheet

**Company and address:** Paragon Products (UK) Ltd  
Newhailes Industrial Estate, Newhailes Road  
EH21 6SY Musselburgh  
United Kingdom  
+44 (0)131 653 2222  
**E-mail:** sales@paragongroup.co.uk  
**Revision:** 10/10/2022  
**SDS Version:** 4.0  
**Date of previous version:** 10/10/2022 (3.0)

#### 1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)  
General public:  
England - Dial 111 to reach NHS 111 (24 hour service)  
Scotland - Dial 112 to reach NHS 24 (24 hour service)  
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)  
See section 4 "First aid measures".

### SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### 2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage.

#### 2.2. Label elements

**Hazard pictogram(s):**



**Signal word:** Danger

<b>Hazard statement(s):</b>	Causes severe skin burns and eye damage. (H314)
<b>Precautionary statement(s):</b>	
▼ General:	Keep out of reach of children. (P102) If medical advice is needed, have product container or label at hand. (P101)
▼ Prevention:	Wear eye protection/protective gloves. (P280)
▼ Response:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Storage:	-
Disposal:	-
<b>Hazardous substances:</b>	sodium hydroxide Isotridecanol, ethoxylated
<b>Additional labelling:</b>	Not applicable.
▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:	< 5% · Amphoteric surfactants · Non-ionic surfactants

### 2.3. Other hazards

▼ Additional warnings:	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.
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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. ▼ Substances

Not applicable. This product is a mixture.

### 3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
2-butoxyethanol;2-butoxyethanol; ethylene glycol monobutyl ether;ethylene glycol monobutyl ether;butyl cellosolve	CAS No.: 111-76-2 EC No.: 203-905-0 UK-REACH: Index No.: 603-014-00-0	1-10%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	CAS No.: 164462-16-2 EC No.: 605-362-9 UK-REACH: Index No.:	3-5%	Met. Corr. 1, H290	
sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5 UK-REACH:	1-10%	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318	

	Index No.: 011-002-00-6			
Isotridecanol, ethoxylated	CAS No.: 9043-30-5 EC No.: 500-027-2 UK-REACH: Exempt: Polymer Index No.:	1-10%	Acute Tox. 4, H302 Eye Dam. 1, H318	
$\beta$ -Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts	CAS No.: 90170-43-7 EC No.: 290-476-8 UK-REACH: Index No.:	1-10%	Eye Irrit. 2, H319	
1-Heptanol, 2-propyl-, 7EO	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

[1] European occupational exposure limit.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General information:</b>	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
<b>Inhalation:</b>	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
<b>Skin contact:</b>	Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment. Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
<b>▼ Eye contact:</b>	If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.
<b>▼ Ingestion:</b>	In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

**Burns:** Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:

Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

**5.2. ▼ Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.

Contaminated areas may be slippery.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

**6.3. ▼ Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

**6.4. Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

**7.1. ▼ Precautions for safe handling**

Avoid direct contact with the product.

See section 8 "Exposure controls/personal protection" for information on personal protection.

## 7.2. **Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Recommended storage material:** Always store in containers of the same material as the original container.

**Storage conditions:** No specific requirements

**Incompatible materials:** Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 7.3. **▼ Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. **Control parameters**

No substances are listed in the national list of substances with an occupational exposure limit.

### ▼ DNEL

sodium hydroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1 mg/m <sup>3</sup>
Long term – Local effects - Workers	Inhalation	1 mg/m <sup>3</sup>

β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Dermal	2.67 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	980 mg/m <sup>3</sup>

### ▼ PNEC

β-Alanine, N-(2-carboxyethyl)-, N-coco alkyl derivs., disodium salts

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		100 µg/L
Intermittent release (freshwater)		100 µg/L
Marine water		10 µg/L
Sewage treatment plant		300 µg/L

## 8.2. **▼ Exposure controls**

Apply general control to prevent unnecessary exposure

**General recommendations:** Smoking, drinking and consumption of food is not allowed in the work area.

**Exposure scenarios:** There are no exposure scenarios implemented for this product.

**Exposure limits:** Occupational exposure limits have not been defined for the substances in this product.

**Appropriate technical measures:** Ensure that eyewash stations and safety showers are located within easy reach.  
Apply standard precautions during use of the product. Avoid inhalation of vapours.

**▼ Hygiene measures:** In between use of the product and at the end of the working day all

**Measures to avoid environmental exposure:** exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.  
Keep damming materials near the workplace. If possible, collect spillage during work.


### **Individual protection measures, such as personal protective equipment**

**Generally:** Wash contaminated clothing before reuse.  
Use only UKCA marked protective equipment.


**Respiratory Equipment:**  
No specific requirements

**Skin protection:**  
No specific requirements.

#### **Hand protection:**

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
				

#### **Eye protection:**

Type	Standards	
Safety glasses	EN166	

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

**Physical state:** Liquid  
**Colour:** Blue  
**Odour / Odour threshold:** Characteristic  
**pH:** 13.4  
**▼ Density (g/cm<sup>3</sup>):** -  
**▼ Relative density:** 1.01 - 1.02 (20 °C)  
**▼ Kinematic viscosity:** No relevant or available data due to the nature of the product.  
**Particle characteristics:** Does not apply to liquids.

#### **Phase changes**

**▼ Melting point/Freezing point (°C):** No relevant or available data due to the nature of the product.  
**Softening point/range (°C):** Does not apply to liquids.  
**Boiling point (°C):** 100  
**▼ Vapour pressure:** No relevant or available data due to the nature of the product.  
**▼ Relative vapour density:** No relevant or available data due to the nature of the product.  
**▼ Decomposition temperature (°C):** No relevant or available data due to the nature of the product.

### **Data on fire and explosion hazards**

▼ <b>Flash point (°C):</b>	No relevant or available data due to the nature of the product.
▼ <b>Flammability (°C):</b>	No relevant or available data due to the nature of the product.
▼ <b>Auto-ignition temperature (°C):</b>	No relevant or available data due to the nature of the product.
▼ <b>Lower and upper explosion limit (% v/v):</b>	No relevant or available data due to the nature of the product.

### **Solubility**

▼ <b>Solubility in water:</b>	No relevant or available data due to the nature of the product.
▼ <b>n-octanol/water coefficient (LogKow):</b>	No relevant or available data due to the nature of the product.
▼ <b>Solubility in fat (g/L):</b>	No relevant or available data due to the nature of the product.

### **9.2. Other information**

▼ <b>Oxidizing properties:</b>	No relevant or available data due to the nature of the product.
<b>Other physical and chemical parameters:</b>	No data available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No data available.

### **10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

### **10.3. Possibility of hazardous reactions**

None known.

### **10.4. Conditions to avoid**

None known.

### **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### **10.6. ▼ Hazardous decomposition products**

Thermal decomposition may produce corrosive vapours.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Skin corrosion/irritation**

Causes severe skin burns and eye damage.

#### **Serious eye damage/irritation**

Causes serious eye damage.

#### **Respiratory sensitisation**

Based on available data, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Based on available data, the classification criteria are not met.

### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

Based on available data, the classification criteria are not met.

## **11.2. Information on other hazards**

### **▼ Long term effects**

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

### **▼ Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

### **Other information**

None known.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. ▼ Toxicity**

Product/substance	sodium hydroxide
Test method:	OECD 203
Species:	Fish, <i>Gambusia affinis</i>
Duration:	96 hours
Test:	LC50
Result:	125 mg/L

Product/substance	sodium hydroxide
Test method:	OECD 203
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	45.5 mg/L

Product/substance	sodium hydroxide
Test method:	OECD 202
Species:	Daphnia, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	40-240 mg/L

### **12.2. ▼ Persistence and degradability**

Based on available data, the classification criteria are not met.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be



made available to them, at their direct request or at the request of a detergent manufacturer.

### **12.3. ▼ Bioaccumulative potential**

Product/substance sodium hydroxide  
Conclusion: No potential for bioaccumulation

### **12.4. Mobility in soil**

No data available.

### **12.5. ▼ Results of PBT and vPvB assessment**

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### **12.6. ▼ Endocrine disrupting properties**

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### **12.7. Other adverse effects**

None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **Waste treatment methods**

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### **EWC code**

Not applicable.

### **▼ Specific labelling**

### **Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

## **SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informati on:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

### **Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

### **14.6. Special precautions for user**

Not applicable.

### **14.7. Maritime transport in bulk according to IMO instruments**

No data available.

## **SECTION 15: REGULATORY INFORMATION**

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

### **▼ Restrictions for application:**

Not applicable.

### **Demands for specific education:**

No specific requirements.

### **Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:**

Not applicable.

### **▼ Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law:**

< 5%  
· Amphoteric surfactants  
· Non-ionic surfactants

### **▼ Additional information:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.  
Tactile warning.  
If this product is sold in retail, it must be delivered with child-resistant fastening.

### **▼ Sources:**

The Management of Health and Safety at Work Regulations 1999.  
The Health and Safety at Work etc. Act 1974 Regulations 2013.  
Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.  
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

## **15.2. Chemical safety assessment**

No

## **SECTION 16: OTHER INFORMATION**

### **Full text of H-phrases as mentioned in section 3**

H290, May be corrosive to metals.  
H302, Harmful if swallowed.  
H314, Causes severe skin burns and eye damage.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.

### **▼ Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne (European conformity)  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EuPCS = European Product Categorisation System  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
GWP = Global warming potential  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law. The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### **The safety data sheet is validated by**

OHL

#### **▼ Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en