

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

### 1.1. Product identifier

**Code: J02**      **BLADE SUPER**

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

Identified uses: Biocidal Alkaline Cleaner

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

Paragon Products (UK) Ltd  
Newhailes Industrial Estate  
Newhailes Road  
Musselburgh.  
East Lothian  
EH21 6SY  
United Kingdom  
**Tel:** +44 (0) 131 653 2222  
**Fax:** +44 (0) 131 653 2272  
**Email:** sales@paragononline.co.uk

1.4. Emergency telephone number    0131 653 2222

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (67/548/EEC)

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe skin burns and eye damage

### 2.2. Label elements:

**Hazard Label elements:**

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



### 2.3. Other hazards

No other hazards known. This product does not contain any PBT or vPvB substances.

Label in Accordance with (EC) np. 1272/2008

### Precautionary statements:

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P282: Wear eye protection.

P280: Wear protective gloves.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical attention.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P332+313: If skin irritation occurs: Get medical attention.

P405: Store locked up.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Ingredient	CAS No:	EC No:	Classification	Percent %
Sodium hydroxide	1310-73-2	215-185-5	H314	< 1
Sodium Metasilicate pentahydrate	10213-79-3	229-912-9	H335; H314	1-10
Reaquest ECO CONC	-	-	Not classified	1-5
Fatty Alcohol ethoxylate	68439-46-3	-	H302; H318	1-10
Non-ionic Surfactant 1,3 Propanediamine, C10-C16 alkyl derivatives, reaction product with 2-chloro acetic acids	139734-65-9	203-868-0	H302; H314; H400	1-5
Dipropylene Glycol Monomethyl Ether(DPM)	34590-94-8	252-104-2	H226; H336	1-10
sodium N(2carboxyethyl)Ndodecylβalaninat	14960066	2390327	H318	< 1
Alkyl Dimethyl Betaine	66455-29-6	266-368-1	H314	< 1
Diethylene Glycol	111-46-6	203-872-2	H302	< 1
sodium acrylate	7446-81-3	231-209-7	H400	< 1

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General information

**Skin contact:** Wash immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contacts:** Bathe the eye with running water for 15 minutes. Get medical attention if any discomfort continues.

**Inhalation:** General first aid, rest, warmth and fresh air.

**Ingestion:** DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

#### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be irritation and redness at the site of contact. Prolonged contact may cause dryness of the skin.

**Eye contact:** Irritation is likely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

Treat Symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media this product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For personal protection, see section 8.

#### 6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

#### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.

Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

#### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Eye protection should be considered where there is a risk of splashing. Protective gloves (alkali resistant) and barrier cream are recommended when using any chemical.

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

Store in tightly closed original container in a dry, cool and well-ventilated place.

Keep in original container.

#### 7.3. Specific end use(s)

See product label for detailed usage and instructions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Sodium hydroxide		(mg/m <sup>3</sup> )	(ppm)
EU	IOELV STEL	2 mg/m <sup>3</sup>	-
UK	WEL TWA	2 mg/m <sup>3</sup>	-
UK	WEL STEL	2 mg/m <sup>3</sup>	-
Dipropylene Glycol Monomethyl Ether(DPM)		(mg/m <sup>3</sup> )	(ppm)
EU	IOELV STEL	568 mg/m <sup>3</sup>	150 ppm
UK	WEL TWA	375 mg/m <sup>3</sup>	100 ppm
UK	WEL STEL	568 mg/m <sup>3</sup>	100 ppm

### 8.2. Exposure controls

#### Protective equipment:

Hand protection: Use suitable protective gloves (alkali resistant).

Eye protection: Safety glasses are recommended where there is a risk of spray mist or splashing when using or handling product.

Respiratory protection: Ensure sufficient ventilation of the area.

Other Protection: General work wear only.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state:	Liquid
Appearance:	Liquid.
Colour:	Blue
Odour	Slight perfume
Odour threshold	No data available
pH	Conc. Solution 12.0 - 13.0
Relative evaporation rate	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	N/A
Flash point	N/A
Self-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non-flammable.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	1.03 - 1.05 @ 20 °C
Solubility	Soluble.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal temperature conditions.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

No additional information available.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Acute toxicity :	Not classified
Skin corrosion/irritation:	Causes severe skin burns and eye damage. pH: 12.0 - 13
Serious eye damage/irritation:	Causes serious eye damage. pH: 12.0 - 13
Respiratory or skin sensitisation:	Not classified based on available data.
Germ cell mutagenicity:	Not classified based on available data.
Carcinogenicity:	Not classified based on available data.
Reproductive toxicity:	Not classified based on available data.
Specific target organ toxicity (single exposure):	Not classified based on available data.
Specific target organ toxicity (repeated exposure) :	Not classified based on available data.
Aspiration hazard:	Not classified based on available data.
Potential Adverse human health effects and symptoms:	Not classified based on available data.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

<b>sodium hydroxide, caustic soda (1310-73-2)</b>	
LC50 fishes 1	125 mg/l <i>Gambusia affinis</i>
EC50 Daphnia 1	76 mg/l ( <i>Daphnia magna</i> ; 24 h)
LC50 fish 2	145 mg/l ( <i>Poecilia reticulata</i> ; 24 h)
<b>Dipropylene Glycol Monomethyl Ether(DPM)</b>	
LC50 fishes 1	≥ 3185 mg/l
EC50 Daphnia 1	≥ 1000 mg/l alga
LC50 fish 2	≥ 4857 mg/l

#### 12.2. Persistence and degradability

Degradability: The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

#### 12.3. Bio accumulative potential

Bio accumulative potential the product does not contain any substances expected to be bio accumulating.

#### 12.4. Mobility in soil

Mobility: The product contains substances, which are water soluble and may spread in water systems.

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

This product does not contain any PBT or PvB substances

#### 12.6. Other adverse effects: None known

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

### SECTION 14: TRANSPORT INFORMATION

General: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

#### 14.2. UN proper shipping name

Proper Shipping Name: Not applicable

#### 14.3. Transport hazard class(es)

Transport Labels Not Applicable

#### 14.4. Packing group

#### 14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

#### 14.6. Special precautions for user

Tunnel Restriction Code n/a

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

### SECTION 15: REGULATORY INFORMATION

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

Contains no substances with Annex XVII restrictions  
Contains no REACH candidate substance  
Contains no REACH Annex XIV substances.

#### 15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

### SECTION 16: OTHER INFORMATION

#### Other information

Data sources: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information: None.

#### Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date: 31.08.15

Revision: 0

Hazard Statements in Full

**PBT:** This product is not identified as a PBT substance.

#### Phrases used in s.2 and s.3

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

#### Precautionary statements

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301: IF SWALLOWED:

P313: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P315: Get immediate medical advice/attention.

P501: Dispose of contents/container in accordance with local/regional/national regulation.

**Note: These Phrases are supplied for your information only and do not apply to the mixture.**

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.