



# HUGH CRANE

— Cleaning Equipment Limited —

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## TECHNICAL INFORMATION SHEET

### **SHIFT**

#### **Degreaser Detergent**

#### **Description**

A blend of surface active agents, emulsifier sequestrants and alkali builders.

#### **Application**

Normally used with a hot water pressure cleaner for chassis cleaning and degreasing. Removes traffic film, oil and grease. Suitable for cleaning workshop floors.

#### **Method of Use**

For chassis cleaning, degreasing engines and machinery, use at 1% through a hot water pressure washer at 75 to 85°C. For heavy grease deposits and workshop floors, use a 5% solution at 90°C.

Can also be used for vehicle body washing. The detergent control of the machine should be set to give a 1% to 3% solution, as required. This may be adjusted according to the type of machine, extent of soiling and other working conditions. The solution is applied to the vehicle starting at the bottom and working upwards. Extra care should be taken when washing in strong sunlight. Check the surface temperature, and if it feels hot to the touch then cool down with water before applying the solution. After a suitable contact time, rinse thoroughly with high pressure water. For best results, dry all glass with a squeegee or leather after cleaning,

#### **Typical Characteristics**

<b>Appearance:</b>	Clear to straw coloured liquid with no particular odour.
<b>pH as supplied:</b>	13.5 to 14.0
<b>pH 1% solution:</b>	10.0 to 11.0
<b>Specific gravity:</b>	1.060 @ 20°C
<b>Active content:</b>	Approximately 15% solids.

#### **Health and Safety Information**

- Contact with eyes and skin should be avoided.
- In the event of skin contact, wash thoroughly with water.
- For eyes, rinse immediately and seek medical advice.
- Spillages should be washed away with water to prevent a hazardous slippery surface.

For further information, see our Product Safety Data Sheet.



## SAFETY DATA SHEET

# SHIFT

### 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

**Product name:** **SHIFT**  
**Supplied by:** Hugh Crane (Cleaning Equipment) Limited  
South Walsham Road  
Acle, Norwich  
Norfolk NR13 3ES  
**Telephone:** 01493 750072 Fax 01493 751854  
**Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against**  
**Identified Uses:** Cleaning Agent for Commercial and Professional Use.





### 2. HAZARDS IDENTIFICATION

**Signal Word:** Warning



**Hazard Statements:** H315 Causes skin irritation  
H320 Causes eye irritation  
See section 15 for precautionary statements.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredient	EINECS No.	C.A.S. No.	Content	Classification
Sodium Hydroxide	215-185-5	1310-73-2	1-5%	 H314
Polyamino carboxylate	N/a	N/a (polymer)	5-10%	 H315+320
Non-ionic surfactant	Not listed	68439-45-2	1-5%	 H315+320
Amphoteric surfactant	N/a	N/a	1-5%	 H315

### 4. FIRST AID MEASURES

**Inhalation:** Not normally applicable.  
**Ingestion:** Wash out mouth with water. Give plenty of water to drink. If feeling unwell, seek medical advice.  
**Skin contact:** Remove contaminated clothing and wash with soap and water.  
**Eye contact:** Irrigate the eye thoroughly with plenty of clean water, with eyelids open, for at least 15 minutes, and seek medical advice.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Product is non flammable and does not support combustion. Select extinguishing media as appropriate to the circumstances of the fire.  
**Exposure hazards:** Thermal decomposition may release oxides of carbon and nitrogen.

### 6. ACCIDENTAL RELEASE MEASURES

Contain spillages with sand or other absorbent material. Place into plastic containers for safe disposal. Small spillages and residues may be flushed away with water.

### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes.  
**Storage:** Keep out of reach of children. Protect from freezing.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** Sodium hydroxide: STEL (15 mins) – 2mg/m<sup>3</sup>

### RECOMMENDED SAFETY EQUIPMENT

**Eye protection:** Safety goggles or face shield.  
**Hand protection:** Latex or vinyl gloves.  
**Skin protection:** Overalls and safety shoes/boots.  
**Respiratory protection:** Not applicable in normal use.



## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear to straw coloured liquid.
<b>Odour:</b>	Mild
<b>pH value:</b>	Approx 13.5
<b>Boiling Point:</b>	Over 100°C
<b>Flash point:</b>	Not applicable.
<b>Relative density:</b>	Approx. 1.060 @ 20°C (Water = 1.000)
<b>Water solubility:</b>	Fully miscible

## **10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions storage and use.
<b>Hazardous reactions:</b>	Carbon and nitrogen oxides may be released during thermal decomposition.

## **11. TOXICOLOGICAL INFORMATION**

Irritating when in contact with skin and eyes. Not classified as a harmful substance.

## **12. ECOLOGICAL INFORMATION**

Product is considered to be biodegradable according to EC criteria.

This product does not contain any PBT or vPvB substances.

May be harmful to aquatic organisms due to pH elevation if released in large quantities.

## **13. DISPOSAL CONSIDERATIONS**

Surplus material should be disposed of through a licensed waste operator.

## **14. TRANSPORT INFORMATION**

Not classified as hazardous for transport.

## **15. REGULATORY INFORMATION**

**Labelling according to EU requirements:**

**Hazard symbol:** Warning



<b>Hazard statements:</b>	H314	Causes severe skin burns and eye damage.
	H315	Causes skin irritation
	H320	Causes eye irritation

<b>Precautionary statements:</b>	P102	Keep out of the reach of children
	P262	Do not get in eyes, on skin or on clothing
	P302+352	IF ON SKIN: Wash with soap and water
	P305+351	IF IN EYES: Rinse continuously with water for several minutes

## **16. OTHER INFORMATION**

The contents of hazardous ingredients listed in section 3 are expressed as a percentage range of active matter calculated on a weight/volume basis unless otherwise specified.

The ingredients used in this product, where applicable, are registered under the REACH system with the European Chemicals Agency (ECHA).

**SDS Issued:** 31<sup>st</sup> August 2016.

**SDS Reviewed:** 5<sup>th</sup> November 2020.

**Legal disclaimer:** The foregoing information is based on the state of our knowledge and experience of the product and the various ingredients used in the preparation. It is given in good faith but no warranty is implied. Buyers must satisfy themselves as to the suitability of the product and take responsibility for making their own assessments.

**End of Safety Data Sheet**