

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: IDENTIFICATION

- **Product Name:** Composite Decking Cleaner
- **Recommended Use:** Outdoor hard surface cleaner for composite wood decking
- **Manufacturer/Supplier:**
FlowChemUK Limited
Block B, Mark Street Industrial Estate Sandiacre
Nottingham NG10 5AD
T +44 333 733 1541
Email: sales@flowchemuk.com
Website: www.flowchemuk.com
- **Emergency Contact Number:** 0844 892 0111

SECTION 2: HAZARDS IDENTIFICATION

Classification (According to UK CLP / GHS):

- Skin Irritation – Category 2 (due to Sodium Hydroxide and SLES)
- Eye Irritation – Category 2A

Label Elements:

Signal Word: **WARNING**

Hazard Pictograms:



Hazard Statements:

- H315: Causes skin irritation
- H319: Causes serious eye irritation

Precautionary Statements:

- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves/eye protection
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P332+P313: If skin irritation occurs: Get medical attention
- P337+P313: If eye irritation persists: Get medical attention

SECTION 3: MIXTURES

Ingredient	CAS Number	Percentage (%)	Function
MACKAM (CAPB)	61789-40-0	1-5%	Amphoteric surfactant
Sodium Hydroxide	1310-73-2	0-3%	pH modifier / degreaser
SLES	9004-82-4	3-6%	Anionic surfactant

SECTION 4: FIRST AID MEASURES

- **Inhalation:** Move to fresh air if discomfort is felt.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse thoroughly with water for several minutes. Remove contact lenses if present. Seek medical attention.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical help.

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media: Water spray, foam, dry powder, CO₂
 - Unsuitable Media: None known
 - Hazards from Combustion: May release irritating fumes (e.g., oxides of sulfur and carbon)
 - Protective Equipment: Firefighters should wear full protective clothing with self-contained breathing apparatus
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions: Avoid skin and eye contact. Wear protective gloves and goggles.
 - Environmental Precautions: Prevent entry into drains or waterways
 - Clean-up Methods: Contain and absorb with inert material (e.g., sand). Rinse spill area thoroughly with water.
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SECTION 7: HANDLING AND STORAGE

- Handling: Use PPE if handling in bulk. Avoid contact with eyes and skin.
 - Storage: Store in closed containers in a cool, dry, and well-ventilated place. Avoid exposure to direct sunlight and incompatible substances.
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Type	Recommendation
Engineering Controls	Use general ventilation
Eye Protection	Safety goggles for industrial handling
Skin Protection	Protective gloves (nitrile or PVC)
Respiratory Protection	Not required under normal conditions
Hygiene Measures	Wash hands after use

OEL (EH40 UK):

- Sodium Hydroxide (STEL): 2 mg/m³
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Light blue liquid
Odor	Sweet bubblegum scent
pH	~10.5–11.5
Boiling Point	~100°C
Flash Point	Not flammable
Solubility in Water	Fully miscible
Specific Gravity	~1.00–1.05

SECTION 10: STABILITY AND REACTIVITY

- Stability: Stable under normal use
 - Incompatible Materials: Strong acids, oxidizers
 - Decomposition Products: Carbon monoxide, carbon dioxide, sulfur oxides
 - Reactivity: Reacts with strong acids (neutralization)
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SECTION 11: TOXICOLOGICAL INFORMATION

- Skin Contact: May cause irritation due to alkalinity and surfactants
 - Eye Contact: Irritating; may cause redness and discomfort
 - Inhalation: Not hazardous under normal use
 - Ingestion: May cause irritation or discomfort
 - Chronic Effects: None expected at intended use concentrations
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SECTION 12: ECOLOGICAL INFORMATION

- Ecotoxicity: Not classified as environmentally hazardous
 - Biodegradability: Surfactants are readily biodegradable
 - Bioaccumulation Potential: Low
 - Mobility: High (fully water-soluble)
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SECTION 13: DISPOSAL CONSIDERATIONS

- Dispose of contents in accordance with local regulations

- Avoid release to sewers or watercourses
- Rinse empty containers before disposal

SECTION 14: TRANSPORT INFORMATION

Mode	UN Number	Shipping Name	Class	Packing Group
Road (ADR)	Not Regulated	Not classified	N/A	N/A
Sea (IMDG)	Not Regulated	Not classified	N/A	N/A
Air (IATA)	Not Regulated	Not classified	N/A	N/A

SECTION 15: REGULATORY INFORMATION

- CLP Classification: Eye and skin irritant
- REACH Compliance: All ingredients are registered or exempt
- Labeling Requirements: GHS07 pictogram and warning statements as per CLP

SECTION 16: OTHER INFORMATION**HMIS Ratings:**

- Health: 2
- Flammability: 0
- Reactivity: 0
- PPE: B (Gloves and goggles)

Abbreviations:

- GHS: Globally Harmonized System
- CLP: Classification, Labelling and Packaging
- PPE: Personal Protective Equipment

Disclaimer: The information provided is believed accurate as of the date of issue and is intended for health and safety guidance only.