



PINE CLEANER

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 16/06/2025 Version: 1.1

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: IDENTIFICATION

- **Product Name:** Pine Cleaner
- **Recommended Use:** General-purpose cleaner
- **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**
- **Eye Irritation – Category 2A**

Label Elements:

Signal Word: WARNING

Hazard Pictogram(s):

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Hazard Statements:

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

Precautionary Statements:

- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves/protective clothing/eye protection/face 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 advice/attention
- P337+P313: If eye irritation persists: Get medical advice/attention

SECTION 3: Mixtures

Ingredient	CAS Number	Percentage (%)	Function
BAC50 (Benzalkonium chloride 50%)	63449-41-2	0.100-0.300	Disinfectant
MACKAM (Cocamidopropyl Betaine)	61789-40-0	2.500-5.000	Surfactant/Foamer

SECTION 4: FIRST AID MEASURES

- **Inhalation:** Remove person to fresh air. Seek medical attention if symptoms occur.
- **Skin Contact:** Wash with plenty of soap and water. Seek medical advice if irritation develops.
- **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses. Seek immediate medical advice.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical help if symptoms persist.

SECTION 5: FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Water spray, foam, dry chemical, CO₂
- **Unsuitable Media:** High-pressure water jets

- **Hazards:** May emit toxic fumes (e.g., nitrogen oxides, chlorine compounds) when burned
 - **Protective Equipment:** Full protective clothing and self-contained breathing apparatus (SCBA)
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Use PPE. Avoid contact with eyes and skin.
 - **Environmental Precautions:** Prevent from entering drains or waterways if possible
 - **Methods for Clean-up:** Contain spill with inert material (e.g., sand). Collect and dispose of in accordance with local regulations.
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SECTION 7: HANDLING AND STORAGE

- **Handling:** Avoid contact with skin and eyes. Use in a well-ventilated area.
 - **Storage:** Store in tightly closed containers in a cool, dry, well-ventilated place. Keep away from incompatible materials.
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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Type	Recommendation
Engineering Controls	Ensure adequate ventilation
Eye Protection	Safety goggles or face shield
Skin Protection	Protective gloves (e.g., nitrile)
Respiratory Protection	Not required under normal use
Hygiene Measures	Wash hands after use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Green liquid
Odor	Pine
pH	~6.5–8.0
Boiling Point	~100°C
Flash Point	Not flammable
Solubility	Fully miscible with water
Specific Gravity	~1.0
VOC Content	Low

SECTION 10: STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions
 - **Incompatible Materials:** Strong oxidizers, acids
 - **Decomposition Products:** May release nitrogen oxides, ammonia, or chlorine gases on combustion
 - **Hazardous Reactions:** None known
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SECTION 11: TOXICOLOGICAL INFORMATION

- **Inhalation:** Low risk under normal use
 - **Skin Contact:** May cause irritation with prolonged exposure
 - **Eye Contact:** May cause moderate eye irritation
 - **Ingestion:** Ingestion may cause gastrointestinal discomfort
 - **Chronic Effects:** No known long-term effects under intended use
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SECTION 12: ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not classified as hazardous to aquatic life at current dilution
- **Persistence:** Active ingredient (BAC) is biodegradable
- **Bioaccumulation:** Low potential
- **Mobility:** High – disperses in water

Note: BAC50 concentration is below the classification threshold for environmental hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

- Dispose of product and container in accordance with local regulations
 - Avoid uncontrolled release into drains or surface water
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SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

- **CLP Classification:** Irritant only (Skin/Eye); no aquatic hazard
- **Labeling Compliant With:** GHS/CLP
- **REACH Status:** All components are registered or exempt

SECTION 16: OTHER INFORMATION

HMIS Ratings:

- **Health:** 1
- **Flammability:** 0
- **Reactivity:** 0
- **PPE:** B (Gloves and goggles recommended)

Disclaimer: The information provided is accurate to the best of our knowledge and is intended to describe the product with respect to health, safety, and environmental requirements.