SAFETY DATA SHEET
FLOCON® MC10

1. Identification

Product identifier

Product name FLOCON® MC10

Chemical name Solid alkaline cleaner

Product number 100534

Recommended use of the chemical and restrictions on use

Application Membrane cleaner

RECOMMENDED USE:

Details of the supplier of the safety data sheet

Supplier

Italmatch Chemicals GB Ltd.
2 Brightgate Way
Manchester M32 0TB
United Kingdom
+44 (0) 161-864-6699

Emergency telephone number

Emergency telephone Chemtrec Phone: 1-800-424-9300

National emergency telephone number

For Medical Emergency: 1-303-623-5716
For Transport Emergency: 1-800-424-9300 (CHEMTREC)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards Not Classified

Label elements

Hazard symbols

Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

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Precautionary statements P260 Do not breathe vapor/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains POTASSIUM CARBONATE, SODIUM HYDROXIDE

3. Composition/information on ingredients

Mixtures

POTASSIUM CARBONATE **60-100%**
CAS number: 584-08-7

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335

Sodium Hydroxide **10-30%**
CAS number: 1310-73-2

Classification
Skin Corr. 1A - H314
Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

Composition comments Solid alkaline cleaner

4. First-aid measures

Description of first aid measures

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.

Skin Contact Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation Irritation of nose, throat and airway.

Ingestion May cause chemical burns in mouth and throat.

Skin contact Chemical burns.

Eye contact May cause blurred vision and serious eye damage.

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Indication of immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is non-combustible. Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

Special hazards arising from the substance or mixture

Specific hazards The product is non-combustible. Toxic gases or vapors. No unusual fire or explosion hazards noted.

Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Leave danger zone immediately.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up.

Methods and material for containment and cleaning up

Methods for cleaning up Avoid the spillage or runoff entering drains, sewers or watercourses. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

Reference to other sections For waste disposal, see section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Good personal hygiene procedures should be implemented.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in a tightly-closed, original container in a dry, cool, and well-ventilated place. Store at temperatures not exceeding 50°C /122°F. Protect from freezing and direct sunlight. If frozen: once thawed, agitate container vigorously to ensure the product is homogeneous. Store away from the following materials; alkalis, acids, cyanides, reducing agents, oxidizing materials and aluminum. Do not use containers made of Carbon steel. Keep separate from food, feeds, fertilizers, and other sensitive materials.

Storage class Corrosive storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

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Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC).

Other skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures Provide eyewash station. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Granules.

Color White/off-white.

Odor Characteristic.

Odor threshold Not available. Not available.

pH pH (diluted solution): 11.5 - 12.5 @ 1%

Melting point Not available.

Boiling Point:

Freezing Point:

Flash point Not applicable.

Upper/lower flammability or explosive limits Not applicable.

Bulk density 2 - 2.15 kg/l

Solubility(ies) 20 @ °C 20% +/- @ 25°C

Partition coefficient Not available.

Auto-ignition temperature Scientifically unjustified.

Decomposition Temperature Not available.

Explosive properties Scientifically unjustified.

Oxidizing properties Does not meet the criteria for classification as oxidizing.

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Other information	Not available.

10. Stability and reactivity

Reactivity	Reactions with the following materials may generate heat: Acids. Generates toxic gas in contact with acid.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong acids. Strong oxidizing agents. Other metals or alloys.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11. Toxicological information

Information on toxicological effects

Mutagenicty	This product is not expected to be mutagenic
Inhalation	Irritating to respiratory system.
Ingestion	May cause chemical burns in mouth, esophagus and stomach.
Skin Contact	Causes severe burns.
Eye contact	This product is strongly corrosive. Immediate first aid is imperative.
Acute and chronic health hazards	This product is corrosive.
Route of exposure	Inhalation Skin and/or eye contact Ingestion.
Target Organs	Eyes Skin

12. Ecological information

Ecotoxicity	There are no data on the ecotoxicity of this product.

Persistence and degradability

Persistence and degradability	The product contains mainly inorganic substances which are not biodegradable. The other substances in the product are not expected to be readily biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not available.

Mobility in soil

Mobility	The product is water-soluble and may spread in water systems.

Other adverse effects

Other adverse effects	Not available.

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13. Disposal considerations

Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14. Transport information

UN Number

UN No. (TDG) 3262

UN No. (IMDG) 3262

UN No. (ICAO) 3262

UN No. (DOT) 3262

UN proper shipping name

Proper shipping name (TDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (Contains sodium hydroxide)

Proper shipping name (IMDG) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (Contains sodium hydroxide)

Proper shipping name (ICAO) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (Contains sodium hydroxide)

Proper shipping name (DOT) CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (Contains sodium hydroxide)

Transport hazard class(es)

TDG class 8

IMDG Class 8

ICAO subsidiary risk 8

Transport labels

Packing group

TDG Packing Group II

IMDG packing group II

ICAO packing group II

DOT packing group II

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

IMDG Code segregation group 18. Alkalis

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EmS F-A, S-B

Classification Code (Adr) C6

15. Regulatory information

US Federal Regulations

SARA (311/312) Hazard Categories

Sodium hydroxide is listed as a Clean Water Act Section 311 Hazardous Substance.

Inventories

EU - EINECS/ELINCS

The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

Canada - DSL/NDSL

The following ingredients are listed:

SODIUM GLUCONATE

POTASSIUM CARBONATE

Sodium Hydroxide

US - TSCA

The following ingredients are listed:

SODIUM GLUCONATE

POTASSIUM CARBONATE

Sodium Hydroxide

US - TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

Japan - ENCS

The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

JAPAN- IHSL

Japan MITI

Korea - KECI

The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

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China - IECSC
The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

Philippines - PICCS
The following ingredients are listed:

POTASSIUM CARBONATE

Sodium Hydroxide

New Zealand - NZIOC
The following ingredients are listed:

Sodium Hydroxide

16. Other information

General information	For advice on chemical emergencies, spillages, fires or first aid in relation to this product please contact the relevant emergency number below : EU/English Speakers - +44 (0) 1235 239 670 (NCEC) Arabic Speakers - +44 (0) 1235 239 671 Asia/Pacific countries - +65 3158 1074 For emergencies within China - +86 10 5100 3039
Revision comments	Updated MSDS, no substantial changes.
Issued by	Italmatch Chemicals GB, +44(0)1618646699
Revision date	16/02/2021
Revision	4.3
Supersedes date	20/12/2016
SDS No.	10711
Hazard statements in full	H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
NFPA - health hazard	Extremely hazardous, serious injury. (3)
NFPA - flammability hazard	Will not burn. (0)
NFPA - instability hazard	Unstable if heated. (1)
NFPA - special hazard	ALK
ACA HMIS Health rating.	Serious Hazard. (3)
ACA HMIS Flammability rating.	Will not burn. (0)
ACA HMIS Physical hazard rating.	Unstable if heated. (1)
ACA HMIS Personal protection rating.	D

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For safety reasons it is IMPERATIVE that customers:-

1. Ensure that all those within their control who use the products are supplied with all relevant information contained within the Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.

2. Consult BWA Water Additives before using or supplying the product for any other applications. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.