

MORGAN POLYMERS LTD

HEALTH & SAFETY DATA SHEET

1. Identification of the Substance and Company.

Trade Name : Multiflex Fungicidal Wash. **Product Group 6.**

Company : Morgan Polymers Ltd, Unit 2 Century Park, Pacific Park, Altrincham, Cheshire
WA14 5BJ

Phone No. : 0161- 233 - 0023

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2. Composition/information on ingredients.

Chemical Characterisation :

Ingredients	CAS No.	Hazard Symbols	R-Phrases	Concentration
Sodium Hypochlorite	7681-52-9		C;R31-34	>10% Av Cl ₂

3. Hazards Identification.

Causes burns to skin, eyes and respiratory system. Contact with acids liberates toxic gas (Chlorine). Liberates Oxygen on heating.

4. First Aid Measures.

Eye Contact : Irrigate thoroughly with water for at least 10 minutes. Obtain immediate medical attention.

Skin Contact : Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If a large area of the skin is affected or if irritation persists seek medical attention.

Inhalation : Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.

Ingestion : If confined to mouth, wash out mouth with water, if patient feels unwell seek medical advice. If swallowed, give water to drink -do not induce vomiting. Seek immediate medical attention giving attention to breathing difficulties.

5. Fire Fighting Measures.

Special Hazards : Oxygen and Chlorine are hazardous combustion products.

Protective Equipment : Self contained breathing apparatus and full protective clothing.

Extinguishing Agents : Use extinguisher suitable to surrounding fire conditions.

Extinguishing Agents Prohibited : Sawdust or acidic media.

6. Accidental Release Measures.

Personal Protection : Wear appropriate PPE (see section 8)

Environmental Precautions : Do not allow material to contaminate drains and watercourses.
Immediately inform authorities of uncontrolled discharge.

Methods For Cleaning : Bund or absorb material with inert material (e.g. Sand, NOT Sawdust). Transfer liquid if possible to a salvage tank; otherwise absorb on inert material and transfer to suitable containers for waste disposal.

7. Handling and Storage.

Safe Handling Advice : Do not breathe mists. Do not use strong solutions on Stainless Steel. Do not mix with other cleaning agents. Need for good general ventilation

Storage : Vented containers of glass, PVC, GRF, suitably lined mild steel, high density polyethylene are all suitable for the storage of the product. Cool temp. required.

8. Exposure Controls / Personal Protection.

Exposure Limits: None. In case of Chlorine release:
0.5ppm (1.5 mg/m³), 8 hr twa; 1ppm (3mg/m³), STEL Type: OES

Respiratory Protection : Self contained breathing apparatus if dealing with a major leak.

Eye Protection : Safety goggles to BS 2092/C and / or face shield.

Hand Protection : PVC or rubber gloves to BS2092 / C and / or face shield.

Skin Protection : PVC overalls, rubber boots to BS 1870.

Hygienic Measures : Always wash thoroughly after handling chemicals

9. Physical and Chemical Properties.

Physical State : Liquid

Colour : Clear green/yellow or pink/purple

Odour : Faint chlorinous.

Safety Relevant Data.

Boiling Temperature : 110⁰ C

Thermal Decomposition : -17⁰ C

Flash Point : Not flammable, but will liberate oxygen on heating.

Vapour Pressure : 17.5 mm Hg at 20⁰ C

Density : 1.26

Solubility : Stable.

pH : >13

Oxidising Properties : Strong oxidising agent.

10 Stability and Reactivity

Stability : Unstable, decomposes to form Sodium Chloride and Sodium Chlorate liberating Oxygen.

Materials To Avoid : Acids, Ammonium Salts, Methanol, Hydrocarbons, Copper, Nickel, Iron, Monel Metal.

Known Hazardous Reactions : Contact with acids liberates toxic gas (Chlorine).
Violent reactions with Ammonia, Ammonium compounds and organic material.

Conditions To Avoid : Heat, strong sunlight

Hazardous Decomposition Products : Oxygen, Chlorine.

11. Toxicological Information.

Effects:

Corrosive to eyes, skin and mucous membranes. Prolonged eye contact may result in permanent damage or blindness. Ingestion may lead to the formation of Chlorine Gas by reaction with stomach contents. Inhalation of Chlorine Gas will cause bronchial and pulmonary odema. Symptoms may be delayed for 48 hours or more.

LD 50 8910 mg/Kg oral-rat

12 Ecological Information

Environmental Effects :

Mobility : Soluble in water, will readily percolate through soil.

Degradability : Material will degrade slowly to Sodium Chloride, Sodium Chlorate and Oxygen.

Aquatic Toxicity : Toxic aquatic organisms. Very toxic to Fish.

13. Disposal Considerations.

Packaging : As substance.

Product : Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and National regulations.

14. Transport Information.

UN. N° : 1791

Primary Hazard : Corrosive.

Packing Group : III

H.I. Number : 85

Class/Item N° 8, 61 °C

Emergency Action Code : 2X

15. Regulatory Information.

Classification according to EEC Directives.

Classification : Sodium Hypochlorite.

Hazard Labels : Corrosive.

R-Phrases : R31-34

S-Phrases : S (1/2) -28-45-50

EEC N° : 231-668-3

16. Further Information.

This material is usually used for : bleaching, disinfecting, cleaning and Water Treatment.

The specifications are based on the current state of our knowledge and experience.

The Health & safety Data Sheet describes the products from a safety requirements aspect.

The information shall not be regarded as legally binding assurance of certain properties or suitability for a particular application.
