

MSDS – Material Safety Data Sheet

According to the Globally Harmonized System

SECTION 1. COMPANY INFORMATION, PRODUCT NAME & DESCRIPTION

Product Name : ISOMAGIC All Purpose Cleaner– Water-Based Degreaser.

Product Description : EU REACH Standard, used for All-Purpose Cleaning & Degreasing

Manufacturer/Supplier: ISO OERLIKON AG Schweisstechnik

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SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance name	EU number	Cas number	Concentration	Hazard Statement
1.Triethanolamine		102-71-6	1.0%	
2.Ethoxylated Alcohol (Linear)		68439-46-3	3-5%	H 315
3.Glycol Ether		35884-42-8	4-6%	H 335/315
4.Polyphosphate		7320-34-5	8-9%	H 335/315
5.Water			80-84%	

SECTION 3. HAZARDS IDENTIFICATION

Skin : Irritating to skin on prolonged contact
Eyes : Irritating to eyes
Inhalation : N/A
Ingestion : Irritant
Environment : All components of the product are readily biodegradable and the product is therefore not classified as long term environmental hazard.

SECTION 4. FIRST AID MEASURES

Inhalation : Avoid breathing of atomized spray. Remove to fresh air and ensure proper breathing. If discomfort persists apply oxygen and seek medical attention.

Skin : Remove contaminated clothing. Rinse with plenty of water. Seek medical attention if symptoms of allergy appears.

Eyes : With eyelids wide open, rinse eyes with plenty of water. Get medical attention immediately.

Ingestion : Rinse mouth properly with water and give plenty of water to drink. If discomfort persists seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media : Water spray, fog or mist, foam, powder, carbon-dioxide.

Hazardous Combustion Products : No typical hazardous decomposition products known.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Notification procedures : None.

Environmental precautions : Prevent discharge of larger quantities of concentrate to drains or water courses

Method for cleaning up :
Small spills: Dilute with water and flush to drain.
Large spills: Contain spill with inert material.
Absorb in vermiculite dry sand or earth. Place in container for disposal to local regulations.

SECTION 7. HANDLING AND STORAGE

Handling : Avoid contact with eyes. Use breathing mask when working with fine spray.

Storage : No specific storage precautions noted.

Storage temperature : Store between 8°C–45°C.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protection:

Eyes : Wear safety goggles.

Hands : Use protective gloves.

Engineering Controls : Provide eye wash station.

Ventilation/Respiratory Protection : Use breathing mask when working with fine spray.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear Blue liquid.

Colour : Blue.

pH : 7-8 concentrate.

Boiling Point : >100°C.

Flash Point : >100°C.

Flammability : Non-flammable.

Auto-ignition temperature : None.

Explosive Properties : None.

Density : 1.06(Typical).

Solubility in Water : Soluble.

SECTION 10. STABILITY AND REACTIVITY

Stability (thermal, light, etc.) : Stable under normal storage and use.

Conditions to avoid : Storage at low temperatures (<8°C).

Incompatibility : Strong acids and oxidizing agents.

Hazardous Decomposition Products : None.

Hazardous Polymerization : None.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Irritation : Irritating to skin and eyes on prolonged contact.
Sensitization : Not sensitizing to skin.
Genotoxicity : Ames test : Not mutagenic.

Health Effects:

Respiratory : Not likely to occur.
Skin : Irritating; may cause redness and pain on prolonged contact. Not likely.
Eyes : Mild irritant.
Ingestion : Low acute toxicity. May cause irritation to mucous membranes in mouth, throat, stomach and intestinal canal. The product may cause diarrhea if swallowed.

SECTION 12. ECOLOGICAL INFORMATION

Eco Toxicological Data:

Bio-degradable : OECD 301B test.
Bio-degradable : In sea water
Primary Bio-degradation : > 90 %

The product components comply with the degree on surfactant biodegradability of the European community (73/404/EEG; 73/405/EEG).

Bio-accumulation : No bio-accumulation is expected.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Water from residues : Waste water from residue will contain product and should be treated as waste.
Waste Category : The product is not classified as hazardous waste regarding toxicity, corrosiveness, flammability and reactivity.

SECTION 14. TRANSPORT INFORMATION

Local Regulations:

Annex A of SABS0232- 2 : Not classified.

International Regulation:

UN number : Not available.
IATA/ICAO Class : Not available.

SECTION 15. REGULATORY INFORMATION

<u>Substance Name/Components</u>	<u>Regulation</u>	<u>EcoToxicological Hazards</u>
Triethanolamine	None	None
Ethoxylated Alcohol (Linear)	"	"
Glycol Ether	"	"
Polyphosphate	"	"

Symbols : None.
Hazard Statement : H335/315 Irritating to respiratory system and skin.
Safety Phrases : S26 In case of contact with eyes, rinse immediately with water, seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.

SECTION 16. OTHER INFORMATION

The product was formulated to be a water-based general-purpose hard-surface industrial cleaner.

GHS Classification

Hazard	Category number
Serious eye damage	1
Acute aquatic toxicity	3

GHS- Labeling symbol/s



Signal word: **Danger**

Hazard Statement/s

Hazard	Allocated number
Causes serious eye damage	H318
Harmful to aquatic life	H413

Precautionary statements

Prevention

P102– Keep out of reach of children

P273–Avoid release to the environment

P280–Wear protective gloves/eye protection/face protection

Response

P305 & P351 & P338– IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 & P352– IF IN CONTACT WITH SKIN: Rinse skin with water/shower.

P314 - Get medical advice/attention if you feel unwell.

Disposal

P501– Dispose of contents/container to an approved waste disposal plant.

Classification according to EU Dangerous Substances or Preparation Directives

Categories of danger for substances and mixtures: **Irritant**

Risk advice to man and environment: Risk of serious damage to eyes

Other hazards which do not result in classification: Spilled product causes slippery surfaces as such wear non-slip shoes.

History

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