



SAFETY DATA SHEET (SDS)

(In accordance with GHS ST/SG/AC.10/30/Rev.7 and SANS ISO 110141)

IMPROVRTM

Issue Date	09/2019
Revision Date	2023
SDS Nr.	MW/IR085

Section – 1 PRODUCT AND COMPANY IDENTIFICATION

Product name : ImprovRTM
Product Code : B 4962
Recommended use : Nitrogen Based Synergist for the use as an adjuvant
Supplier : Metson Manufacturing CC
P.O. Box 1005, Cresta, 2118
Gauteng, South Africa
Emergency Telephone Number : 0861 Metson (638 766)

Section 2 - HAZARDS IDENTIFICATION

Hazard Class	Hazard Category	Hazard Statement	Hazard Code	Signal Word
Oxidizing solids; oxidizing liquids	3	May intensify fire; oxidizer	H272	Warning
Corrosive to metals	1	May be corrosive to metals	H290	Warning
Skin corrosion/irritation	1A, 1B, 1C	Causes severe skin burns and eye damage	H314	Danger

Section 3 – COMPOSITION / INFORMATION ON COMPONENTS

Substance / preparation : Preparation
Chemical nature : Solution in water
Hazardous components :

Chemical Name	CAS No.	Concentration
Nitrogen	7727-37-9	0-1%
Non-Disclosed Ingredients		99-100%

Ingredients not identified are confidential or non-hazardous. Values on SDS are not product specifications.



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Section 4 - FIRST AID MEASURES

- Eye Contact** : Wash with copious amount of water for about 15 minutes. If irritation Persists, repeat rinse. Seek medical advice immediately.
- Skin Contact** : Wash thoroughly with soap and water.
- Ingestion** : Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek immediate medical assistance.
- Note to Physician** : None

Section 5 - FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Use media appropriate for the surrounding fire.
- Special protective equipment** : Normal bunker gear.
- Specific hazards** : Under thermal decomposition product may emit toxic fumes.

Section 6 - ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Ventilate area of spill or leak. Ensure suitable personal protection during removal of spills. Wear eye protection, chemically resistant gloves, boots and coveralls.
- Environmental precautions** : Avoid run-off of undiluted material into water courses.
- Methods for cleaning up** : Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface water drains. Seal drums and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill remediation plan.

Section 7 - HANDLING AND STORAGE

- Safe handling advice** : Practice good industrial housekeeping practices
- Storage conditions** : Do not store with food, feed or other materials for human or animal consumption. Keep container tightly closed. Store below 37°C.



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Section 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits : None

Personal protection equipment

Eye protection : Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or face-shields. Maintain eye wash fountain and quick drench facilities in work areas.

Skin and body protection : Gloves and protective clothing made from Viton or PVC should be used. Verify impermeability under normal usage conditions.

Protective measures : Not required under normal conditions. If eye or skin contact can occur washing facility for eyes and skin must be available nearby.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Colour : Pale yellow
Odour : Slight Acidic
Initial boiling point : 100°C
Flash point : N/A
pH : 1
Specific gravity : 1.00 (25°C)
Water solubility : Soluble in water

Section 10 – STABILITY AND REACTIVITY

Conditions to avoid : Heat, flames, ignition sources and incompatibles.

Materials to avoid : Avoid contact with strong alkaline materials.

Hazardous decomposition products : Carbon Dioxide, Carbon Monoxide, Mono-nitrogen oxides and possibly irritating gases may form.

Hazardous polymerization : Will not occur.



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Section 11 - TOXICOLOGICAL INFORMATION

LD50 Acute oral

Eye irritant

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Skin irritant

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Carcinogen

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Acute exposure symptoms

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Section 12 - ECOLOGICAL INFORMATION

Persistence / degradability

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Ecotoxicity

Arsenic pentoxide	: Refer to risk statement in section 15
Chromium trioxide	: Refer to risk statement in section 15
Cupric oxide	: Refer to risk statement in section 15

Section 13 – DISPOSAL CONSIDERATIONS

Product	: Dispose according to the local regulations.
Containers	: Dispose according to the local regulations.
Contaminated packaging	: Dispose according to the local regulations.



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Section 14 – TRANSPORT INFORMATION

Non - Dangerous

Section 15 – REGULATORY INFORMATION

National legislation (South Africa)

Hazardous substances : Not Hazardous
Transport : National Road Traffic Act, Act 93 of 1996 – Chapter VII of the regulations.
Waste disposal : National Water Act, Act 36 of 1998
Other regulations : None
Hazard Symbols : None
Risk phrases : H272 – May intensify fire; oxidizer
H290 – May be corrosive to metals
H314 – Causes severe skin burns and eye damage
Safety phrases : None

Section 16 – OTHER INFORMATION

16.1 This Safety Data Sheet has been prepared using data supplied by the manufacturers of the ingredients and summarises our best knowledge, at the date of issue, and of the health and safety information of the product and how to safely handle and use the product in the workplace. Since Metson Manufacturing cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review this Safety Data Sheet in the context of how their user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that and appropriate risk assessment can be made, the user should contact Metson Manufacturing.

16.2 **Original** : September 2019
Latest Revision : June 2023

019
09/2019
Future Revision 2024

End of SDS

Key:

FKM : Fluoroelastomer
PVC : Polyvinyl chloride
NIOSH : National Institute for Occupational Health and Safety



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Label elements

GHS (Pictogram)	GHS (Classification)	Protective Clothing
	H272 – May intensify fire; oxidizer H290 – May be corrosive to metals H314 – Causes severe skin burns and eye damage	