SAFETY DATA SHEET

MS-300

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : MS-300
Product description : Organic salt mixture.
Product type : liquid
Other means of identification : Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Corrosion inhibitor Furthermore ms-300 can be used for cooling close loop systems and other similar applications.
Uses advised against
No specific data.

1.3 Details of the supplier of the safety data sheet

Supplier's details : Shipur water eng.

email address of person responsible for this SDS : office@Ishipur.info

1.4 Emergency telephone number

National advisory body/Poison Center
Telephone number: +972-8-9253321
Supplier Telephone number : +972-50-3004905
For Chemical Emergency Spill, Leak, Fire, Exposure or Accident Call CHEMTREC Day or Night

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture of sodium molibdate

Classification according to Regulation (EC) 1272/2008 (CLP)

Not classified.

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

Physical/chemical hazards : Not applicable.

Human health hazards : Not applicable.

Environmental hazards : Not applicable.

See Section 16 for the full text of the R phrases or H statements declared above.

See section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Risk phrases : This product is not classified according to EU legislation.

Supplemental label elements : Not applicable.

Special packaging requirements

Containers to be fitted with child resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification : Not available.

SECTION 3: Composition/information on ingredients

Substance/ mixture : Mixture of organic Salt

Type
[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] PBT)substance
[4] vPvB)substance
[Z] The specific chemical identity and/or concentration is being withheld because it is trade secret

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of firstaiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects
Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Overexposure signs/symptoms
Eye contact : No specific data.
Inhalation : No specific data.

Skin contact : No specific data.
Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO2, water spray (fog) or foam.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon monoxide carbon dioxide nitrogen oxides phosphorus oxides

5.3 Advice for firefighters

Special protective actions for fire fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters : Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire)fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Additional information : Not available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For nonemergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non)emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non)combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections :

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use)specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities :

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well)ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Not available.
Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses

in Section 1 should be consulted for any available use specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits
No exposure limit value known.

Recommended monitoring procedures :
If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2 Exposure controls

Appropriate engineering controls : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand protection : Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air)purifying or air)fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Physical state : liquid
Color : clear white.
Odor : acrylic-like
Odor threshold : Not applicable. pH : 11.7 – 12.8 @ 25 °C
Melting point/freezing point : < -3 °C
Initial boiling point and boiling range : > 100 °C
Flash point : Not applicable.
Evaporation rate : (Not applicable.)
Flammability (solid, gas) : Non-flammable.
Burning time : Not applicable.
Burning rate :
Upper/lower flammability or explosive limits : Not applicable.
Vapor pressure :
Vapor density :
Relative density : 1,18 - 1,15 @ 25 °C
Solubility(ies) : Miscible in water.
Octanol/water partition coefficient :
Autoignition temperature : Not applicable.
Decomposition temperature
Viscosity : Dynamic: 2.000 - 6.000 mPa.s @ 25 °C
Kinematic: Not applicable.
Explosive properties : Not applicable.
Oxidizing properties : Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability : The product is stable.
10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions

will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials reducing materials metals

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral	Rat	> 2.000 mg/kg	-

Conclusion/Summary : Conclusive but not sufficient for classification.

Acute toxicity estimates

Irritation/Corrosion

Conclusion/Summary

Skin : Conclusive but not sufficient for classification.

Eyes : Conclusive but not sufficient for classification.

Respiratory : Conclusive but not sufficient for classification.

Sensitization

Conclusion/Summary

Skin : Conclusive but not sufficient for classification.

Respiratory : Conclusive but not sufficient for classification.

Mutagenicity

Conclusion/Summary : Conclusive but not sufficient for classification.

Carcinogenicity

Conclusion/Summary : Conclusive but not sufficient for classification.

Reproductive toxicity

Conclusion/Summary : Conclusive but not sufficient for classification.

Teratogenicity

Conclusion/Summary : Conclusive but not sufficient for classification.

Information on the likely routes of exposure:

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

Conclusion/Summary : Conclusive but not sufficient for classification.

General : No known significant effects or critical hazards.

Toxicokinetics

Absorption : Not applicable

Distribution : Not applicable

Metabolism : Not applicable

Elimination : Not applicable

Other information : Not applicable.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Conclusive but not sufficient for classification.

12.2 Persistence and degradability

Conclusion/Summary : Not readily biodegradable.

12.3 Bioaccumulative potential

12.4 Mobility in soil

Soil/water partition coefficient
(KOC) :

Mobility :

12.5 Results of PBT and vPvB assessment

PBT : P: No.
B: No.
T: No.
vPvB : vP: No.
vB: No

12.6 Other adverse effects : No known significant effects or critical hazards

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use)specific information provided in the Exposure Scenario(s).

Product

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non)recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by)products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Waste code	Waste designation
	Not available

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number				

14.2 UN proper shipping name	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.	Not applicable.
14.4 Packing group	-	-	-	-
14.5. Environmental hazards	No	No	No	No
14.6 Special precautions for user Not				
Additional	Not applicable.	Not applicable.	Not applicable.	Not applicable.
information	Tunnel code: -			

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Proper shipping name : Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances of very high concern
Carcinogen: None of the components are listed.
Mutagen: None of the components are listed.
Toxic to reproduction: None of the components are listed.
PBT: None of the components are listed.
vPvB: None of the components are listed.

Annex XVII Restrictions on the manufacture,
placing on the market and use of certain
dangerous substances, mixtures and articles : Not applicable.

Integrated pollution prevention and control list (IPPC) Air : Not listed
Integrated pollution prevention and control list (IPPC) Water : Not listed

Aerosol dispensers : Not applicable.

International regulations

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

15.2 Chemical Safety Assessment : Not applicable

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP)specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
PBT = Persistent, Bioaccumulative and Toxic
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements :

Full text of classifications [CLP/GHS] :

Full text of abbreviated R phrases : Not applicable.

Full text of classifications
[DSD/DPD] :
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