



ICHTHAMMOL

**MATERIAL DATA SAFETY SHEET
(MSDS)
Ichthammol USP**

Section 1: Chemical Product and Company Identification	
Product name: Ichthammol USP CAS#: 8029-68-3 EC number: 232-439-0 Chemical name: Ammonium bituminosulfonate Chemical formula: C ₂₈ H ₃₆ S ₅ O ₆ (NH ₄) ₂	Contact information: Medhim, JSC 443109, Zubchaninovskoe shosse 128/2 Samara, Russia. www.medhim.net Tel./fax: +7-846-9310299

Section 2: Composition and Information on Ingredients		
Composition:		
Name: Ichthammol USP	CAS# 8029-68-3	% by weight 100
Composition comments: Preparation consisting of sulphonated bituminous schist or shale with ammonium sulphate and water.		

Section 3: Hazard Identification
Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4: First Aid Measures
GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
Eye Contact: Eye contact check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation: Remove affected person from exposure, rest and keep warm. If recovery not rapid or complete seek medical attention.

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Ingestion:

DO NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flammable Limits: Not available.

Fire Hazard in Presence of Various Substances: Not available.

Explosion Hazard in Presence of Various Substances: Not available. Risk of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Handling and Storage

Precautions for safe handling:

No special precautions are necessary if used correctly.

Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

Section 7: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective clothing. Keep people at a distance and stay upwind.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Section 8: Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 6.

Control parameters

Components with limit values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Breathing equipment: Fresh air mask

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:

Protective work clothing

Section 9: Physical and Chemical Properties

Appearance:

Translucent, soft unctuous, retaining these characters on storage and when melted and allowed to cool without stirring; not more than slightly florescent by day light, even melted; odourless when rubbed on screen.

Form: Viscous

Color: Dark brown

Odor: Characteristic

Odour threshold: Not determined

pH-value (- g/l): 6.0-7.5

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

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Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Ignition temperature: Not determined.
Decomposition temperature: Not determined.
Auto igniting: Not determined.
Danger of explosion: Product does not present an explosion hazard.
Explosion limits:
Lower: Not determined.
Upper: Not determined.
Vapor pressure: Not determined.
Density at 20°C: 1.040 – 1.085 g/cm³
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.
Solubility in / Miscibility with Water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.
Dynamic: Not determined.
Kinematic: Not determined.
Other information: No further relevant information available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.
Instability temperature: Not available.
Conditions of Instability: Excess heat, incompatible materials.
Incompatibility with various substances: Strong oxidizing agents.
Special Remarks on Reactivity: Not available.
Special remarks on Corrosivity: Not available.
Polymerization: Will not occur.

Section 11: Toxicological Information

Information on toxicological effects
Acute toxicity:
LD/LC50 values that are relevant for classification:
Toxic dose - Ld 50: >10000 mg/kg (oral rat).
Primary irritant effect:
on the skin: No irritant effect.
on the eye: Irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information:
Carcinogenic categories

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IARC (International Agency for Research on Cancer) Substance is not listed.
NTP (National Toxicology Program) Substance is not listed.
OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

Section 12: Ecological Information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish.

Additional ecological information:

General notes:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

Section 13: Disposal Considerations

Waste treatment methods

Recommendation:

Must be specially treated adhering to official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14: Transport Information

UN-Number

DOT, ADR, IMDG, IATA Void

UN proper shipping name

DOT, ADR, IMDG, IATA Void

Transport hazard class(es)

DOT, ADR, IMDG, IATA

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Class	Void
Packing group	
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.

Section 15: Regulatory information

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

No further relevant information available.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: Other Information

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.