

SAFETY DATA SHEET

According to Regulation (EC) No 2015/830

Date Issued: 02.01.2020

Form No : SDS202001020236

Product Name: **ISOFLOW® 4750**



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name : ISOFLOW® 4750

Chemical Family : Construction chemical.

Identified Uses and Uses advised against: Used as construction chemical.

Details of the manufacturer and supplier of the safety data sheet :

Company name: MEDİCHEM Yapı Kimyasalları Sanayi ve ticaret A.Ş.

Address : Topraktaş mah. Topraktaş (Küme evleri) SS Mermerciler sitesi G Blok No: 70 G/7
Bağlar/DİYARBAKIR/ TURKEY

Web : www.medi-chem.com.tr

Email: info@medichem.com.tr

Telephone no : +90 412 323 33 45

Emergency telephone number : +90 412 323 33 45

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture :

Classification according to Regulation (EC) No 1272/2008 (CLP):

Not classified.

Hazard Statements (H) : None.

Other Hazard Statements (H) :

EUH208: Contains 5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone. May produce an allergic reaction.

Precautionary Statements (P):

P102 : Keep out of reach of children.

P280 : Wear protective gloves, eye and face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501 : Dispose of contents/container in accordance with local regulations.

Physical hazards : Not classified.

Human Health : May produce an allergic reaction on sensitive skin.

Environment : Not classified.

Label Elements :

Label In Accordance With (EC) No. 1272/2008 :

Signal Word : None.

Signal code : None.

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Hazard-determining components of labelling : 5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone.

See hazard pictograms, H and P statements above.

Other Hazards : None.

This product does not contain any PBT or vPvB substances.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Mixture: consisting of the following components (Chemical Analysis) :

Components	Cons.% w/w	EC no	CAS no	Classification according to Regulation(EC) No. 1272/2008 [CLP]
Alcohols, C14-18, ethoxylated propoxylated	0.01-1.00	614-209-5	68002-96-0	Aquatic Acute 1;H400
(ethylenedioxy) dimethanol	<0.01	222-720-6	3586-55-8	Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318
5-Chloro-2-methyl-3(2H) - isothiazolone and 2-methyl- 3(2H) –isothiazolone	<0.0015	611-341-5	55965-84-9	Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox.;H301 Skin Corr. 1B;H314 Skin Sens. 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 1;H410

Composition Comments : The data shown are in accordance with the latest EC Directives.

4. FIRST AID MEASURES

Description of first aid measures :

General : Remove affected persons from hazardous area. Take off immediately all contaminated clothing. Get medical attention.

Inhalation : Position individual in a comfortable position. Supply fresh air. Get medical assistance if symptoms persist.

Skin contact : Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

Eye contact : Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists.

Ingestion : Do not induce vomiting. Rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist.

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Most important symptoms and effects, both acute and delayed :

Eyes : Not irritant.

Skin : Not irritant. Prolonged contact may produce an allergic skin reaction.

Ingestion: Ingestion of large quantities may cause irritation of mouth and gastrointestinal tract, lead to symptoms such as nausea, vomiting and diarrhea.

Inhalation : Inhalation of fumes, mists and aerosols may irritate nose, throat, and lungs.

Indication of any immediate medical attention and special treatment needed : Skin allergy.

Note to physician : Treat symptomatically.

5. FIRE FIGHTING MEASURES

Special Hazards: Thermal decomposition can lead to release of irritating gases and vapors.

Extinguishing Media: The product is not flammable. Use fire extinguishing methods suitable to surrounding conditions : Foam ,fire-extinguishing powder, carbon dioxide, water spray or dry chemical.

Unsuitable Extinguishing Media : Water jet.

Unusual Fire and Explosion Hazards: In case of fire, the following can be released: carbon and nitrogen oxides, hydrogen chloride.

Advice for fire-fighters : Wear self-contained respiratory protective device. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions,protective equipment and emergency procedures: Ensure adequate air ventilation. Keep away from all sources of ignition. Avoid eyes and skin contact. Do not breathe gases, mists, vapours or aerosols.

Methods and material for containment and cleaning up : Sweep up the product with a suitable absorbent such as sand or clay soil and place it in a suitable waste container for disposal. Clean contaminated area with plenty of water. Prevent entry into sewers, basements or confined areas.

Environmental precautions : Follow the cleaning precautions. Prevent entry into sewers, basements or confined areas. Keep spills away from drinking water supplies. : Dispose according to federal, state and local official regulations.

7. HANDLING AND STORAGE

Precautions for safe Handling: Provide good ventilation. Avoid aerosol formation. Keep away from all sources of ignition. Avoid eyes and skin contact. Avoid breathing gases, mist or aerosols. Observe good chemical hygiene practices. Do not eat, drink or smoke during use. Keep away from heat sources and open flames.

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Conditions for Safe Storage, including any incompatibilities: Store in closed, properly labelled containers in a cool and dry area away from foodstuffs and drinks. Do not store together with oxidizing agents, acids and alkalis. Keep away from direct sunlight, heat sources and open flames. All materials should be kept closed in their original packaging. Storage area should be cleaned regularly and the regular ventilation, temperature and humidity controls should be done.

Storage life is one year.

Specific end use(s) : The identified uses for this product are detailed in Section 1.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits :

5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone :

TWA : 1.5 mg/m³ **STEL:** 4.5 mg/m³

Exposure controls :

Engineering measures : Provide local ventilation. Keep away from all sources of ignition.

Do not breathe gases, mists, vapours or aerosols. The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Do not eat or drink while working. Avoid contact with the eyes and the skin. Avoid inhalation. Provide eyewash stations or safety showers.

Personal Protection :

Eye Protection: Safety glasses.

Hands Protection : Protective nitrile or butyl gloves.

Skin and Body Protection: Protective work clothing

Respiratory Protection : Use NIOSH approved suitable respiratory mask when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form : Liquid.

Colour : Brown.

Odour : No odour.

pH : 4.0-8.0

Flash Point : Not applicable.

Boiling Point: Not determined.

Relative density : Not determined.

Viscosity : Not determined.

Solubility : Miscible in water.

10. STABILITY AND REACTIVITY DATA

Chemical Stability : Stable under prescribed storage and normal use conditions.

Reactivity : There are no known reactivity hazards associated with this product.

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Possibility of hazardous reactions : No information required.

Conditions to avoid : Excessive heat and open flames, direct sunlight.

Incompatibility :

Materials to avoid : Strong acids, strong bases and oxidizers.

Hazardous Decomposition or By Products: On heating/burning: carbon and nitrogen oxides, hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : No classification for toxicity.

Inhalation : Inhalation of vapours, mists and fumes may irritate nose, throat, and lungs.

Ingestion : May cause irritation of mouth and gastrointestinal tract, lead to symptoms such as nausea, vomiting and diarrhea.

Eye contact : Not irritant.

Skin contact : No irritant effect expected.

Sensitization : Contains 5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone. May produce an allergic reaction.

Chronic Toxicity : Prolonged contact may cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) : Not available.

Specific target organ toxicity – single exposure :

STOT – Single exposure : None.

Specific target organ toxicity – repeated exposure :

STOT – Repeated exposure : None.

Aspiration Toxicity : None.

LD₅₀ oral rat (Dimethanol) : < 2000 mg/kg

LD₅₀ oral rat (5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone) :
53 mg/kg

LD₅₀ dermal rat (5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone) :
660 mg/kg

LC₅₀ inhalation rat (5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone) :
0.33 mg/L /4 h

ATE_{mix} oral : > 2000 mg/kg

ATE_{mix} dermal : > 2000 mg/kg

ATE_{mix} inhalation : > 20 mg/L/4 h

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12. ECOLOGICAL INFORMATION

Ecotoxicity : No classification concerning the environment. Not regarded dangerous for the environment.

Always comply with federal, state, and local environments.

LC₅₀ (5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone) : 0.19 mg/L/96 saat (Fish).

EC₅₀ (5-Chloro-2-methyl-3(2H) -isothiazolone and 2-methyl-3(2H) –isothiazolone) : 0.16 mg/L/48 h (Daphnia magna).

Water Hazard class (German Regulation) : 1 (slightly hazardous for water).

Toxicity : No data available.

Persistence and degradability : No data available.

Bioaccumulative potential : No data available.

Mobility in soil : No information required.

Results of PBT and vPvB assessment : This product does not contain any PBT or vPvB substances.

Other adverse effects : No information required.

13. DISPOSAL CONSIDERATIONS

General information : This product is a Biocide waste.

Improper disposal or excess product or rinsate is a violation of Federal law.

Waste treatment methods : Dispose according to federal, state and local official regulations.

Packaging waste : Dispose according to local Packaging and Packaging Waste Directive.

14. TRANSPORT INFORMATION

General : The product is not covered by international regulation on the transport of dangerous goods (IMDG/ICAO, IATA, ADR/RID/DOT).

UN No : Not applicable.

Proper Shipping Name : Not applicable

Transport label : No transport warning sign required.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

Environmental Hazards :

Environmentally hazardous substance/Marine pollutant : No.

15. REGULATORY INFORMATION

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

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Regulation (EC) No 2015/830 of the European Parliament and of the Council of 28 March 2015 on Classification, Labelling and Packaging of substances and mixtures (CLP) and amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Statutory Instruments :

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No.716)

Approved Code of Practice :

Safety Data Sheets for Substances and Preparations.

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes :

Workplace Exposure Limits EH40.

Chemical Safety Assessment :

No chemical safety assessment has been carried out.

The regulatory information is not intended to be comprehensive. Other local regulations may apply to this material.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) has been fully issued according to the CLP and REACH regulations based on the information received from the product owner.

Safety Data Sheet Issued By : Chemical engineer Birgül Ankaralı (info@gbfhazirlama.com)

Date Issued : 02.01.2020

Contact person : info@medichem.com.tr

Hazard Statements (H) in Article 3 :

H301 : Toxic if swallowed.

H302 : Harmful if swallowed.

H311 : Toxic in contact with skin.

H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H331 : Toxic if inhaled.

H400 : Toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

Abbreviations in SDS :

CLP:Classification , Labelling and Packaging

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GHS:Global Harmonised System

CAS no: Chemical Abstracts Service registry number of the material

EC no (EINECS no) : European Community number for chemicals

TWA : Time Weighted Average.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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