

Safety Data Sheet (SDS) ISO FCM/01

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According to UN GHS 9th Ed
Revision Date: 2022/08/17

First print date: 2015/05/01

Version: 1.5

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

Product identifier:

Identification as on the label/Trade name: **ISOMATE FCM**

Additional information: Product code ISO FCM/01

Relevant identification uses of the substance and uses advised against:

Identified uses: Pheromone for mating disruptor.

Uses advised against: Use only as directed.

Details of the distributor of the Safety Data Sheet:

AECI Limited
14 Field Road, LILANTON

Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946
Poisons Information Helpline: 0861 555 777
AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to:

SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Skin irritation (Category 2)	H315

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects: Causes skin irritation.

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Label elements

Hazard pictograms:



Signal Word: WARNING

Hazard Statements: H315 Causes skin irritation.

Precautionary Statements: P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/. P302+P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients: Classification is based on the following ingredients which may be present.

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
E-8-dodecenyl acetate	38363-29-0	60-70%	Skin irritation (Category 2) H315.
	253-904-4		

For full text of H statements see section 16

There are no additional 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

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation occurs.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention if irritation occurs.

In case of ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if you feel unwell.

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Most important symptoms and effects, both acute and delayed:

Inhalation: None known.

Ingestions: None known.

Skin contact: Causes skin irritation.

Eye contact: May cause mild eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE -FIGHTING MEASURES

Extinguisher media:

Suitable extinguisher media:

SMALL FIRE: CO₂, extinguishing powder or alcohol-resistant foam

LARGE FIRE: CO₂, extinguishing powder or alcohol-resistant foam.

Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the mixture:

If exposed to heat or flame, it decomposes and may generate toxic irritating gases. Special hazards caused by the material, its products of combustion or flue gases: Carbon monoxide and carbon dioxide.

Advice for fire-fighters:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

Further information:

Collect contaminated firefighting water separately. It must not enter drains.

Specific extinction method: Work for firefighting from windward. Fire could be expanded by water spray, use appropriate extinguishing media. Transfer the container from near fire to out of area, if safely possible. If it is impossible, cooling down the container by plenty of water spraying. Don't use high volume water jet.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Enough time ventilation is necessary until finishing the clean-up in the case of indoor leakage.

For non-emergency personnel: Wear and use self-contained breathing apparatus, chemical cartridge respirator for organic gases, protective gloves, protective goggle, protective boots or other protective apparels for handling vapour concentrated around.

For emergency responders: Wear and use self-contained breathing apparatus, chemical cartridge respirator for organic gases, protective gloves, protective goggle, protective boots or other protective apparels for handling vapour concentrated around.

Environmental precautions:

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours, if any. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

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Salvage by removal methods as possible, comply environmental benchmarks of sewage, earth, water source.

Methods for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to federal law. Ensure adequate ventilation. Mark contaminated area. After indoor leakage ensure enough ventilation to finish cleaning up. Wear and use self-contained breathing apparatus, chemical cartridge respirator for organic gases, protective gloves, protective goggle, protective boots or other protective equipment.

For small spills: Absorb spill with dry sand, earth or charcoal, then place in chemical waste container so as not to run out to sewage or drainage trench or penetration into.

For large spills: Collect with pump and transfer to a metal container with seal. Absorb spill with dry sand or charcoal, and prevent spill from entering sewers, watercourses or low areas, and prevent the penetration into the ground. Mop up the residual spill with charcoal or absorbent materials. Contaminated absorbents must be disposed of by appropriate measures. Work at the position of windward.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

No information.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Smoking, eating and drinking should be prohibited in the handling or storage area. Keep away from open flames, hot surface and sources of ignition.

Ensure good ventilation/exhaustion at the workplace. Avoid contact to skin, eye and clothing. Keep ignition sources away. Do not smoke, eat or drink in work areas. Do not breathe vapours/mists. If you become bothered by odour, please stop working and take "first-aid measures" specified in the product SDS. To insulate you from unnecessary odour, it may be recommended to wear a protective apparatus, such as a mask, during operations.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Observe all local and national regulations for storage of water polluting products. Do not store together with oxidizing and acidic materials. Store in cool, dry conditions in tightly closed containers. Protect from heat and direct sunlight.

Specific end uses: Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): None.

Biological exposure indices (BEI): None.

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Exposure control:

Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Avoid contact with eyes and skin. Wash hands during breaks and at the end of the work.

Appropriate engineering controls: Use with local exhaust ventilation.

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. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use safety glasses. If there is a potential for exposure to particles/mist which could cause eye discomfort, wear chemical goggles.

Hand protection: Use chemical resistant gloves, rubber type is recommended) so that the aluminium wire does not prick the finger. Examples of other glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: A lab coat is required when handling this product.

Respiratory protection: Respiratory protection is required when ventilation is inadequate, or discomfort is experienced; use an approved air-purifying respirator. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

Environmental exposure controls: The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities. Pay attention to local or official regulations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form): Clear Liquid.

Colour: Colourless or light yellow.

Odour: Faint.

pH (at concentration): No information available.

Melting point/range (°C): -58.3°C.

Initial boiling point/range (°C): 124-130°C (270 Pa)

Flash point (°C): 138 °C

Evaporation rate: No information available.

Flammability (solid, gas): Not applicable.

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Ignition temperature (°C): No information available.

Upper/lower flammability/explosive limits: No information available.

Vapour pressure: 0.210Pa (25°C), 0.13Pa (20°C)

Vapour density: Not required.

Relative density (20°C): 0.879

Solubility: Insoluble in water, easily soluble in organic solvent except DMSO and ethylene glycol.

n-Octanol/Water partition coefficient: log Pow >6.2

Auto-ignition temperature: No information available.

Decomposition temperature: No information available.

Physical hazards:

Explosive properties: No explosive characteristics.

Other information:

Fat solubility (solvent-oil to be specified): No information available.

Bulk density: No information available. No information available.

Dissociation constant in water (p Ka): No information available.

Oxidation-reduction potential: No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

May react with oxygen and strong oxidizing agents, such as chlorates, peroxides, etc.

Chemical stability:

This mixture is chemically stable under normal temperature and pressure for 2 years.

Possibility of hazardous reactions:

None known.

Conditions to avoid:

Avoid contact with strong oxidisers, excessive heat, sparks, or open flame.

Incompatible materials:

Can react with oxidising agents.

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Hazardous decomposition products:

Carbon monoxide and carbon dioxide, but no decomposition if used according to specifications.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution:

Information on toxicological effects:

Acute oral toxicity:

Acute oral LD₅₀ for rat > 2000 mg/kg (company in house data)

Chronic toxicity: No information available.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: None.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: Ames test negative.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

No information available.

Persistence and degradability:

This product is easily biodegradable.

Bioaccumulative potential:

No information available.

Mobility in soil/ release to water

No information available.

Results of PBT& vPvB assessment:

None.

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Other adverse effects:

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name:	Not regulated	Not regulated	Not regulated
Transport hazard class:	Not regulated	Not regulated	Not regulated
Packaging group:	Not regulated	Not regulated	Not regulated
Marine pollutant:	No	No	No
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not required	Not required	Not required

Inland waterways:

Emergency response information:

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH).

Relevant information regarding restrictions: None.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

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SECTION 16. OTHER INFORMATION

Indication of changes:

All sections updated.

Relevant classification and H statements (number and full text):

H315 Causes skin irritation.

Training instructions:

Use as indicated on the label, special training may be required for application.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.