


Section 1. Product and Company Identification

Product Name Iso E Super
CAS Number 54464-57-2

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Skin sensitization Category 1B

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard statements

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

Very toxic to aquatic life with long lasting effects

Toxic to aquatic life

0% of the mixture consists of ingredient(s) of unknown toxicity

Section 3. Composition / Information on Ingredients

Common Name	Iso E Super
Synonym(s)	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
Formula	C ₁₆ H ₂₆ O
CAS Number	54464-57-2

COMPONENT	CAS NUMBER	CONCENTRATION
Iso E Super	54464-57-2	100%

Section 4. First Aid Measures

Description of first-aid measures

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Inhalation: Remove to fresh air.

Ingestion: Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use CO₂, dry chemical, or foam.

Unsuitable extinguishing media: N/A

Specific hazards arising from the chemical: No information available.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

Explosion data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

Special protective actions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Engineering controls: Showers; Eyewash stations; Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice

Section 9. Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear

Color: Colorless to Pale-yellow

Odor: Characteristic Odor

Odor Threshold: Not applicable

pH: Not applicable

Melting point/freezing point: Not applicable

Boiling point/boiling range: 280°C

Flash Point: 134°C / > 212°F

Evaporation Rate: Not applicable

Flammability (solid, gas): Not applicable

Flammability Limit in Air

Upper flammability limit: Not applicable

Lower flammability limit: Not applicable

Vapor pressure: 0.002

Vapor Density: Not applicable

Specific gravity: 0.946

Water solubility: Not applicable

Solubility in other solvents: Not applicable

Partition coefficient: Not applicable

Auto-ignition Temperature: Not applicable

Decomposition temperature: Not applicable

Kinematic viscosity: No data available

Dynamic viscosity: Not applicable

Explosive properties: Not applicable

Oxidizing properties: Not applicable

Other Information

Softening point: not applicable



Molecular weight: 234.2
VOC content (%): Not applicable
Density: Not applicable
Bulk Density: Not applicable

Section 10. Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to avoid: Extremes of temperature and direct sunlight.

Incompatible materials: None known based on information supplied.

Hazardous Decomposition Products: None known based on information supplied.

Section 11. Toxicological Information

Information on likely routes of exposure

Product Information

Inhalation: No known hazard by inhalation.

Eye Contact: Severely irritating to eyes. Avoid contact with eyes.

Skin contact: Causes skin irritation. May cause an allergic skin reaction. Avoid contact with skin.

Ingestion: No known hazard by swallowing.

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/eye irritation: Causes severe eye irritation.

Irritation: Irritating to eyes and skin.

Corrosivity: No known effect.

Sensitization: May cause sensitization by skin contact.

Germ cell mutagenicity: None known.

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

Reproductive toxicity: This product does not contain any known or suspected reproductive hazards.

Developmental toxicity: None known.

STOT – single exposure: Not classified.

STOT – repeated exposure: Not classified.

Target organ effects: None known.

Neurological Effects: None known.

Aspiration hazard: Not classified.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

Section 12. Ecological Information

Ecotoxicity: No information available

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects: No information available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.

Hazard Class: 9

Packing group: III

ICAO (Air)

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.

Hazard Class: 9

Packing group: III

IATA

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, liquid N.O.S.

Hazard Class: 9

Packing group: III

IMDG

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, liquid N.O.S.

Hazard Class: 9



Packing group: III

EmS-No: F-A, S-F

Marine pollutant: This material meets the definition of a marine pollutant

RID

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, liquid N.O.S.

Hazard Class: 9

Packing group: III

ADR

UN/ID no: 3082

Proper Shipping Name: Environmentally Hazardous Substance, liquid N.O.S.

Hazard Class: 9

Packing group: III

Section 15. Regulatory Information

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

U.S. EPA Label information

EPA Pesticide registration number: Not applicable

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 7/7/2016

