

Date of revision : 2025/02/07

## Safety Data Sheet

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### Product identifier:

Product name: Eco Check Cleaner/Remover ER-T II

Product code (SDS NO): CR048\_E1-2

Relevant identified uses of the product: Non Destructive Testing

#### Details of the supplier of the safety data sheet

Manufacturer/Supplier: MARKTEC CORPORATION

Address: 17-35,OMORI-NISHI, 4-Chome, OTA-Ku, TOKYO 143-0015 JAPAN

Telephone number: +81-3-3762-4453

FAX: +81-3-3768-3958

### Section 2. Hazards identification

#### GHS classification and label elements of the product

#### Classification of the substance or mixture

##### PHYSICAL AND CHEMICAL HAZARDS

Flammable liquids: Category 2

##### HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Specific target organ toxicity – single exposure: Category 3 (Narcotic effects)

Aspiration hazard: Category 1

##### ENVIRONMENT HAZARDS

Hazardous to the aquatic environment, long-term (chronic): Category 2

#### Label elements



Signal word: Danger

#### HAZARD STATEMENT

Highly flammable liquid and vapor

Causes skin irritation

May cause drowsiness or dizziness

May be fatal if swallowed and enters airways

Toxic to aquatic life with long lasting effects

#### PRECAUTIONARY STATEMENT

##### Prevention

Avoid release to the environment.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

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

Use only outdoors or in a well-ventilated area.

Wash contaminated parts thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

In case of fire: Use appropriate media to extinguish.

Collect spillage.

Call a POISON CENTER/doctor/physician if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**Disposal**

Dispose of contents/container in accordance with local/national regulation.

**Specific Physical and Chemical hazards**

Highly flammable liquid. Vapor/air mixture may explode.

**Section 3. Composition/information on ingredients****Mixture/Substance selection:****Mixture**

<b>Ingredient name</b>	<b>Content (%)</b>	<b>CAS No.</b>
Methylcyclohexane	90 – 100	108-87-2

**Section 4. First-aid measures****Descriptions of first-aid measures****General measures**

Call a POISON CENTER/doctor/physician if you feel unwell.

**IF INHALED**

Remove person to fresh air and keep comfortable for breathing.

**IF ON SKIN (or hair)**

Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

**IF SWALLOWED**

Do NOT induce vomiting.

Immediately call a POISON CENTER/doctor/physician.

**Section 5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

In case of fire, use foam, dry powder, CO2 to extinguish.

**Unsuitable extinguishing media**

Unsuitable extinguishing media data is not available.

## Section 6. Accidental release measures

Preventive measures for secondary accident

Collect spillage.

## Section 7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

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

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground and bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Safety Measures

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Do not place in a place where rust is likely to occur.

Container and packaging materials for safe handling data is not available.

## Section 8. Exposure controls/personal protection

Control parameters

Adopted value

(Methylcyclohexane)

ACGIH(2023) TWA: 100ppm (kidney dam)

## Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: ColorlessClear

Odor: Aromatic odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point: 101°C

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point: -7°C

Auto-ignition temperature: 258°C

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity: Kinematic viscosity  $\leq 20.5$  mm<sup>2</sup>/s

## Solubility:

Solubility in water: Insoluble

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density: 0.77g/cm<sup>3</sup>(15°C)

Relative vapor density (Air=1) data is not available.

Particle characteristics data is not available.

## Section 10. Stability and Reactivity

## Reactivity

Reactivity data is not available.

## Chemical stability

Chemical stability data is not available.

## Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

## Conditions to avoid

Conditions to avoid data is not available.

## Incompatible materials

Incompatible materials data is not available.

## Hazardous decomposition products

Hazardous decomposition products data is not available.

## Section 11. Toxicological Information

## Information on toxicological effects

Acute toxicity data is not available.

## Irritant properties

## Skin corrosion/irritation

## [Product]

Category 2, Causes skin irritation

## [Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(Methylcyclohexane)

Category 2

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenic effects data is not available.

Reproductive toxicity data is not available.

## Specific target organ toxicity (STOT)

## STOT-single exposure

## [Product]

Category 3, May cause drowsiness or dizziness

## [Data for components of the product]

[cat.3 (narcotic effects)]

[Table 3 of Annex VI to the CLP Regulations]

(Methylcyclohexane)

Category 3, Narcotic effects

STOT-repeated exposure data is not available.

## Aspiration hazard

## [Product]

Category 1, May be fatal if swallowed and enters airways

[Data for components of the product]

[cat.1]

[Table 3 of Annex VI to the CLP Regulations]

(Methylcyclohexane)

Category 1

## Section 12. Ecological Information

Toxicity

Aquatic toxicity

[Product]

Category 2, Toxic to aquatic life with long lasting effects

[Data for components of the product]

Hazardous to the aquatic environment, long-term (chronic)

[Table 3 of Annex VI to the CLP Regulations]

(Methylcyclohexane)

Category 2

Water solubility

(Methylcyclohexane)

none (ICSC, 1997)

Persistence and degradability

[Data for components of the product]

(Methylcyclohexane)

Not rapidly degradable (BOD\_Degradation : 0% (METI existing chemical safety inspections, 1986))

Bioaccumulative potential

[Data for components of the product]

(Methylcyclohexane)

BCF=321 (Check & Review, Japan)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

## Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Avoid release to the environment.

Dispose of contents/container in accordance with local/national regulation.

## Section 14. Transport Information

UN No., UN CLASS

UN Number or ID Number : 2296

UN Proper Shipping Name :

METHYLCYCLOHEXANE

Class or division (Transport hazard class) : 3

Packing group : II

ERG GUIDE No.: 128

Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : yes

#### Section 15. Regulatory Information

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

#### Section 16. Other information

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN  
Recommendations on the TRANSPORT OF DANGEROUS GOODS 22nd edit., 2021 UN  
IMDG Code, 2022 Edition (Incorporating Amendment 41-22)  
IATA Dangerous Goods Regulations (65th Edition) 2024  
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)  
2024 TLVs and BEIs. (ACGIH)  
Supplier's data/information