

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

1.1 Product identifier

1.1.1 Commercial Product Name

TELKO ISOPAR M RED

1.1.2 Product code

312619

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Recommended use

Solvent

1.3 Details of the supplier of the safety data sheet

1.3.1 Supplier

Telko Oy

Street address

Lintulahdenkuja 10

Postcode and post office

00500 Helsinki

Finland

P.O.Box

P.O. Box 80

Postcode and post office

00501 Helsinki

Finland

Telephone

+358 9 5211

Telefax

+358 9 5217 270

Business ID

0987137-1

Email

reach@telko.com

1.4 Emergency telephone number

1.4.1 Telephone number, name and address

+358 9 471 977, Poison Information Centre, Tukholmankatu 17, 00029 HUS, Finland

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

1272/2008 (CLP)

Asp. Tox. 1, H304

EUH066

2.2 Label elements

1272/2008 (CLP)

GHS08

Signal word

Danger

Hazard Statements

H304

May be fatal if swallowed and enters airways.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary Statements

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280

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

P301+P310

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

P331

Do NOT induce vomiting.

P370+P378

In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction.

P403+P235

Store in a well-ventilated place. Keep cool.

P405

Store locked up.

P501

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

2.3 Other hazards



3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Date 30.10.2015

Previous date: -

Hazardous components

CAS/EC and Reg.number	Chemical name of the substance	Concentration	Classification
927-646-8 01-2119456377-30	Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	~75 %	Asp. Tox. 1, H304; EUH066
920-901-0 01-2119456810-40	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	~25 %	Asp. Tox. 1, H304; EUH066

3.3 Other information

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.2 Inhalation

Move to fresh air. Wear respiratory protection. Oxygen or artificial respiration if needed. Get medical attention immediately if symptoms occur.

4.1.3 Skin contact

Wash off with soap and water. Take off contaminated clothing and wash before re-use.

4.1.4 Eye contact

Flush with plenty of water. Call a physician if irritation develops or persists.

4.1.5 Ingestion

Do NOT induce vomiting. Seek immediate medical attention/advice.

4.2 Most important symptoms and effects, both acute and delayed

Dries out the skin. Aspiration hazard if swallowed - can enter lungs and cause damage.

4.3 Indication of immediate medical attention and special treatment needed

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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Water mist. Foam. Dry chemical. Carbon dioxide (CO₂).

5.1.2 Extinguishing media which must not be used for safety reasons

Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as: Carbon oxides.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Specific methods

Use water spray to cool unopened containers. Combustible Liquid. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Prevent unauthorized access.

6.2 Environmental precautions

Should not be released into the environment. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect 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).

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- 6.4 Reference to other sections**
Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Ensure all equipment is electrically grounded before beginning transfer operations. The material can accumulate static charge and can therefore cause electrical ignition. Handle and open container with care. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Do not ingest. Shower or bathe at the end of working. Take off contaminated clothing and wash before re-use.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep tightly closed. Keep in a cool, well-ventilated place. Keep away from fire, sparks and heated surfaces. Keep away from direct sunlight. Incompatible materials to avoid: see chapter 10.
- 7.3 Specific end use(s)**
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Threshold limits**
- | | |
|---|-----------------------------|
| Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics | 500 mg/m ³ (8 h) |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 500 mg/m ³ (8 h) |
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Provide sufficient air exchange and/or exhaust in work rooms. Use explosion-proof equipment. Ensure that eyewash stations and safety showers are close to the workstation location.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
In case of inadequate ventilation wear respiratory protection. Recommended Filter type: A. Preferably a compressed airline breathing apparatus (in case of higher concentration).
- 8.2.2.2 Hand protection**
Wear protective gloves. Glove material: Nitrile rubber. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. The exact break through time can be obtained from the protective glove producer and this has to be observed.
- 8.2.2.3 Eye/face protection**
Safety glasses with side-shields.
- 8.2.2.4 Skin protection**
Skin and body protection: Impervious clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
Liquid, red
- 9.1.2 Odour** characteristic, slight
- 9.1.6 Initial boiling point and boiling range** 170-290 °C

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9.1.7	Flash point	> 75 °C
9.1.8	Evaporation rate	< 0,01 (n-butyl acetate = 1.0)
9.1.10	Explosive properties	
9.1.10.1	Lower explosion limit	0,6 Vol-%
9.1.10.2	Upper explosion limit	7,0 Vol-%
9.1.11	Vapour pressure	0,009 kPa (20°C)
9.1.12	Vapour density	> 1 (Air = 1.0)
9.1.13	Relative density	0,730 - 0,850 kg/l (15°C)
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	insoluble
9.1.16	Auto-ignition temperature	> 200 °C
9.1.18	Viscosity	1,3 - 7 mm ² /s (20°C)
9.2	Other information	
	Pour point	< -97 °C

10. STABILITY AND REACTIVITY

10.1	Reactivity	-
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4	Conditions to avoid	Heat, flames and sparks. Exposure to sunlight.
10.5	Incompatible materials	Strong oxidizing agents.
10.6	Hazardous decomposition products	No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Acute toxicity	EC 927-646-8/EC 920-901-0: LD50/oral/rat => 5000 mg/kg, very slight. LD50/dermal/rabbit => 5000 mg/kg, very slight. LC50/inhalation/4h/rat => 5000 mg/m ³ (vapour), very slight.
11.1.2	Irritation and corrosion	Mild skin irritation. May irritate eyes. May cause irritation of respiratory tract.
11.1.3	Sensitisation	Contains < 0,02 % Solvent Red 24. May produce an allergic reaction.
11.1.5	STOT-single exposure	May cause drowsiness and dizziness.
11.1.7	Aspiration hazard	Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia.
11.1.8	Other information on acute toxicity	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
EC 927-646-8/EC 920-901-0: Aquatic toxicity slight (estimation).
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
EC 927-646-8/EC 920-901-0: Inherently biodegradable (estimation).
- 12.3 Bioaccumulative potential**
This information is not available.
- 12.4 Mobility in soil**
The product evaporates readily. Disperses rapidly in air.
- 12.5 Results of PBT and vPvB assessment**
EC 927-646-8/EC 920-901-0: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
- 12.6 Other adverse effects**
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13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Dispose of wastes in an approved waste disposal facility. Container hazardous when empty. Do not burn, or use a cutting torch on, the empty drum. Can be used after re-conditioning.

14. TRANSPORT INFORMATION

- 14.1 UN number**
- 14.2 UN proper shipping name**
- 14.3 Transport hazard class(es)** Not classified as dangerous in the meaning of transport regulations.
- 14.4 Packing group**
- 14.5 Environmental hazards**
- 14.6 Special precautions for users**
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.
- 15.2 Chemical safety assessment**
This information is not available.

16. OTHER INFORMATION

- 16.3 Key literature references and sources for data**
Report version 4.9.2013, 17.7.2013
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
H304 May be fatal if swallowed and enters airways.