

# SAFETY DATA SHEET

## RONSONOL LIGHTER FLUID

SDS Reference No.	: 02/116
Issue Date	: March 2002
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### I. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation:

#### RONSONOL LIGHTER FLUID

- 1.2 Company Identification: Ronson International Ltd.  
Station Works  
Long Buckby  
Northampton NN6 7PF
- 1.3 Emergency Telephone: 01327 841 500 (office hours only)

### II. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Chemical composition : blend of aliphatic hydrocarbons

**CAS No.** 64741 – 84 - 0  
**EEC (EINECS) No.** 265 – 086 - 6

Name	CAS No	Content %
Xylene	1330 – 20 – 7	1 – 5
Propylbenzene	98 – 82 – 8	0 – 1
n-heptane	142 – 82 – 5	10 – 30
mesitylene	108 – 67 – 8	0 – 1
1,2,4-trimethylbenzene	95 – 63 – 6	0 – 1
n-hexane	110 – 54 – 3	1 - 5

- 2.2 Risk phrases : Highly flammable liquid
- 2.3 Classification/symbol : Highly flammable liquid/F

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### III. HAZARDS IDENTIFICATION

Highly flammable liquid.

Eyes: vapour and liquid irritating to eyes.  
Skin: liquid is a mild skin irritant; repeated contact may cause dermatitis.  
Inhalation: liquid and vapour are irritant, and may cause drowsiness, nausea, dizziness.  
Ingestion: harmful: may cause lung damage if swallowed.

### IV. FIRST AID MEASURES

- 4.1 Eye contact : Flush immediately with clean water for at least 15 minutes.  
Remove any contact lenses before rinsing. Hold eyelids apart while flushing to rinse entire surfaces of eyes and lids with water. Get immediate medical attention if discomfort continues.
- 4.2 Skin contact : Remove contaminated clothing; wash skin with soap and water.
- 4.3 Inhalation : Remove patient to fresh air. Keep warm and at rest. If unconscious, place person in recovery position and ensure breathing. If breathing has stopped or shows signs of failing, commence artificial respiration. Get immediate medical attention.
- 4.4 Ingestion : Do **NOT** induce vomiting. If patient vomits, turn into recovery position. Give water to drink and seek medical aid.  
Do **NOT** give drinks to unconscious persons.

### V. FIRE FIGHTING MEASURES

- 5.1 Special fire/explosion hazard : can form explosives mixtures with air. Containers exposed to fire can explode and catch fire.
- 5.2 Products of combustion : oxides of carbon
- 5.3 Fire fighting procedures/ extinguishing media : carbon dioxide, dry powder, foam, sand, earth or water fog.

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### VI. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal protection : Avoid contact with liquid and vapour.
- 6.2 Environmental precautions : extinguish all naked flames and sources of ignition; prevent liquid from entering drains or watercourses.
- 6.3 Method of cleaning up : absorb on sand, earth or absorbent, sweep up and put in bin with lid for authorised disposal.

### VII. HANDLING AND STORAGE

- 7.1 Precautions during handling : do not use in the vicinity of naked flames and sources of heat; ensure good ventilation.
- 7.2 Precautions during storage : store away from sources of heat and ignition; ensure good ventilation.
- 7.3 Packing materials : tinsplate containers in cardboard cartons.

### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Special protective measures : use in well ventilated areas.
- Respiratory : avoid exposure to vapour.
- Hand : avoid contact
- Eye : avoid contact
- Skin : avoid contact
- 8.2 Exposure limits : long term (8hr TWA) : 800mg/m<sup>3</sup>

### IX. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical state : clear colourless liquid
- 9.2 Odour : mild
- 9.3 Temperature characteristics : boiling point range : 100 - 155°C
- 9.4 pH : not applicable
- 9.5 Solubility
- in water : insoluble
  - organic solvents : miscible with most
- 9.6 Vapour pressure (20 °C) : 2.04 KPa
- 9.7 Density (15 °C) : 0.730
- 9.8 Flammability
- flash point (closed cup) : 4 °C
  - auto ignition temperature : 230 °C
  - explosion limits : 0.9 - 8.0% in air

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### X. STABILITY AND REACTIVITY

- 10.1 Stability : stable and non-reactive at normal temperatures and pressures.
- 10.2 Conditions/materials to avoid : heat, sparks, flames, strong oxidizing agents.
- 10.3 Hazardous decomposition products : normally carbon dioxide (carbon monoxide if deficiency in oxygen supply)

### XI. TOXICOLOGICAL INFORMATION

- 11.1 Effects of exposure
- eyes : not available.
  - skin : not available.
  - inhalation : not available.
  - ingestion : not available.

### XII. BIOLOGICAL INFORMATION

- 12.1 Mobility : evaporates into atmosphere.
- 12.2 Persistence and degradability : not readily biodegradable.
- 12.3 Ecotoxicity : toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment.  
LC 50, 96 hrs, fish : 1 – 10 mg/litre

### XIII. DISPOSAL CONSIDERATIONS

- 13.1 Disposal of product : via authorized disposal container.
- 13.2 Disposal of packaging : as for product.

### XIV. TRANSPORT INFORMATION

- 14.1 **UN No.** : 1268
- Proper shipping name : Petroleum distillate N.O.S. (C<sub>9</sub> – C<sub>15</sub> hydrocarbons)
- 14.2 **UK road**
- Hazchem Code : 3 (Y) E
  - Classification : flammable liquid, 3.
  - Packaging Group : II

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- 14.3 **ADR**  
- Class : 3, Flammable Liquid  
- Item No. : P.G.II  
- Hazard No. : 33, Highly flammable liquid (flash point below 23 °C)
- 14.4 **RID**  
- Class No. : 3  
- Item No. : P.G.II
- 14.5 **UN No. (Sea)** : 1268  
- IMDG Class : 3  
- IMDG Packing : II  
group
- 14.6 **UN No. (Air)** : 1268  
- ICAO Class : 3  
- Air Packing : II  
group
- 14.7 **CEFIC** : 30 G 30  
**TEC(R) No.**

### XV. REGULATORY INFORMATION

- 15.1 Chemicals (Hazard Information and Packaging) Regulations 1994:  
- Risk phrases : R11 Highly flammable  
: R38 Irritating to skin  
: R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.  
: R65 Harmful: may cause lung damage if swallowed.  
: R67 Vapours may cause drowsiness and dizziness.
- Safety Phrases : S16 Keep away from sources of ignition – no smoking  
: S37 wear suitable gloves  
: S43 in case of fire, use sand, earth, foam or water-fog.  
: S51 use in well ventilated areas only  
: S62 if swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.  
: S9 Keep in a well ventilated place
- Classification/symbol : Highly flammable/F
- 15.2 Exposure limits : long term (8hr TWA) : 800 mg/m<sup>3</sup>

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## RONSONOL LIGHTER FLUID

- 15.3 National legislation : The Chemicals (Hazard Information & Packing) Regulations 1994.  
The Control of Substances Hazardous to Health Regulations 1988.  
Classification, Packaging and Labelling Regulations 1984  
Classification and Labelling of Substances and Preparations Dangerous for Supply.  
The Health and Safety at Work Act.  
Occupational Exposures Limits EH40.
- 15.4 Proper shipping name : Petroleum distillates, N.O.S.

### **XVI. OTHER INFORMATION**

- 16.1 Recommended uses : refills for cigarette lighters; cleaning fluid for the home, garage and studio.
- 16.2 Sources of data used to compile data sheet : suppliers' data sheets
- 16.3 Sections revised : none

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