

Material Safety Data Sheet according to 91/155/EEG

Solution 1110 (refined petrol)

Revision date : 6 January 1999 Pages : 7
Print date : woensdag 13 augustus 2003 Version : 2

1 Identification \ Composition and Supplier

Product name:

Solution 1110 (refined petrol)

Product code:

1110 (refined petrol)

Supplier:

Dunlop-Enerka bv
P.O.Box 14
9200 AA DRACHTEN, The Netherlands
Tel: +31 (0)512 585555
Fax: +31 (0)512 585400

Telephone by emergency (for the doctor in attendance only):

National emergency centre: +31 (0)30 2748888

2 Composition \ Information on substances

Substances which represent a health risk according to 'Resolution packaging and indication of environmentally harmful substances' and 'Further regulations packaging and indication of environmentally harmful substances'

Composition name: boiling point refined petrol 80/110

CAS-number	: 64742-49-2	A1 number	: 649-328-00-1		
Conc %weight	: 50 - 100	Symbols	: F, N, X _n	R-phrases	: 11,22, 51/53
MAC-value (TGG)	mg/m ³	:		ppm	: The Netherlands
MAC-value (STEL)	mg/m ³	:		ppm	: The Netherlands

3 Risks

Most important risks

This product has influence on the central nervous system and may cause unconsciousness in high concentrations. This product is slightly irritating to eyes, skin and respiratory organs.

Specific risks

None.

4 First aid measures

General advice

In case of doubt or persistent symptoms consult a doctor. Never administer anything to an unconscious person.

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Inhalation

Transport the victim into fresh air and keep him warm and calm. If not breathing or breathing is irregular apply artificial respiration. In case of unconsciousness lay the victim in a stable recovery position. Obtain medical attention immediately.

Eye contact

Remove any contact lenses (if possible). Rinse thoroughly with water for at least 15 minutes while keeping the eyes open. Always consult a doctor.

Skin contact

Remove contaminated clothing. First wipe the skin clean, then wash the skin with water and soap.

Ingestion

If this has occurred and the patient is conscious rinse mouth. Transport victim immediately to hospital. DO NOT induce vomiting. When swallowing the product it is possible that it may enter the lungs (aspiration) which may cause pneumonia.

5 Fire prevention

Risks of fire:

This product is flammable.

Specific method:

Extinguish with foam, dry powder or water spray. Do not use waterjets. Avoid any extinguishing material entering drainage system or surface water.

Specific risks:

Fire will cause a black smoke. Exposure to decomposition products may be dangerous for health. Suitable breathing equipment is required.

6 Accidental release measures

Personal precautionary measures:

Remove ignition source and ensure adequate ventilation. Avoid breathing vapours. Use breathing apparatus. Follow the measures as indicated in section 7 and 8.

Measures for environmental protection:

Ensure that the spilled product does not enter into the sewage system or surface water. If it nevertheless happens, contact the local authorities in accordance with the local regulations

Measures for cleaning:

Contain the spilled material and absorb it with liquid-binding materials (sand, earth, diatomite earth). Dispose of contaminated materials in accordance with the local regulations. Absorb small quantities with a cloth. Scrub clean.

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7 Handling and storage

Handling:

f Precautionary measures:

Do not smoke, eat or drink in rooms where the product will be used. See section 8 for personal protection measures.

f Technical measures:

Ensure good air circulation and / or extraction.

f Advice to use:

Keep container closed. Protect the product against heat, sparks and naked flames.

Avoid contact with eyes and skin. Do not breathe vapours.

Storage:

f Precautionary measures:

Follow strictly the advice on the label. No smoking. Prevent access of unauthorized personnel.

f Storage conditions:

Storage in accordance with the local regulations. Store the product in a dry and well ventilated room (ventilation along the floor). Temperature conditions between 5 °C to 25 °C. Screen from direct sunlight.

f Substances to avoid:

Keep away from sources of ignition. Store separately from oxidizing material and strong acids.

f Packaging material:

No specific requirements.

8 Measures to control exposure / personal protection

Technical measures:

Ensure adequate ventilation. Where possible this should be achieved by local (source) exhaust ventilation and / or good air circulation.

Exposure limits:

Smell is no guide to exceeding the MAC value. The smell limit is above the MAC-value. See also section 2.

Personal protection:

Protection of the respiratory organs:

f In case air circulation is insufficient, use breathing protection with filter type A or use a supply of fresh air.

f Protection of hands:

Use suitable gloves.

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f Eye protection:

Use safety glasses. When dispensing use a facial mask.

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f
f Skin protection:
Wear suitable protective clothing.

9 Physical and chemical properties

<i>f</i> Physical condition	: fluid viscous
<i>f</i> Colour	: black
<i>f</i> Smell	: characteristic
<i>f</i> Flash point in °C	: < 21° C<
<i>f</i> Danger of explosion	: 0,6 - 8
<i>f</i> Relative density	: indeterminate
<i>f</i> Solubility in water	: no
<i>f</i> Solubility in solvent	: well mixable with most organic solvents
<i>f</i> Boiling point in °C	: indeterminate
<i>f</i> Melting point in °C	: indeterminate
<i>f</i> Ignition temperature	: indeterminate
<i>f</i> Vapour pressure in mbar	: indeterminate
<i>f</i> Density	: indeterminate
<i>f</i> Separation coefficient	
n-octanol/ water	: indeterminate
<i>f</i> Viscosity	: indeterminate
<i>f</i> Specific conductivity	: indeterminate

10 Stability and reactivity

Stability:

By storage and handling conditions as indicated in section 7 the product is stable.

Substances to avoid:

Avoid contact with oxidizing agents and strong acids.

Dangerous decomposition products:

This product will decompose in contact with flames, forming toxic and caustic vapours.

11 Toxicological information

General information:

There is no information on the product itself available, only of the most important elements.

The toxicological information is based on the most important elements. Alcoholic liquor strengthens the narcotic effects of the product.

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Acute toxicity:

f Inhalation:

In case of inhalation the product may cause cough, headache, dizziness, drowsiness, breathing with difficulty and unconsciousness.

f Eye contact:

In case of eye contact the product may cause redness and pain.

f Skin contact:

In case of skin contact the product may cause dryness and redness.

f Ingestion:

If this has occurred it may cause cough, stomach pains, diarrhoea, confusion, drowsiness, breathing with difficulty and unconsciousness. When swallowing the product it is possible that it may enter the lungs (aspiration) which may cause pneumonia.

Chronical toxicity:

In case of prolonged and repeated exposure the product may cause damage to the nervous system.

12 Ecological information

The ecological data of this product is unknown.

13 Instruction for removal

Waste and unused product:

Waste and unused product have to be removed in accordance with the local regulations.

Contaminated packaging:

Consider contaminating packaging as chemical waste. Contaminated packaging has to be removed in accordance with the local regulations.

14 Information with regard to transportation

General information:

The product has been classified to the most important risk of boiling point refined petrol.

Transport over land:

VLG/ADR classification	: 3.1a
Figure/letter	: 33
UN-number	: 3295

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15 Legal obligations

Labeling:

According to the european directions with regard to classification, packaging and labeling of hazardous materials.

Symbols:

F Highly inflammable.
X_n Harmful.
N Dangerous to environment, contains boiling point refined petrol (50-100%).

R- phrases:

R11 Highly inflammable.
R22 Harmful if swallowed.
R51/53 Toxic to aquatic organisms may cause adverse long term effects in the aquatic environment.

S-phrases

S53 Avoid exposure - read special instructions before using.
S9 Keep container in a well ventilated location.
S16 Keep away from sources of ignition - do not smoke.
S23 Do not breathe vapours.

16 Other information

Important information:

Above data are given to the best of our current knowledge and are in accordance with the national and european legislation, as we do not know the conditions the product will be used and as the conditions are beyond our influence. At all times it is the responsibility of the user to take measures in accordance with the local legislation. The information in this safety data sheet is meant as description of the safety and health risks and measures to reduce these risks. It is no description of the properties of the product.

Restrictions on use:

The product may only be used according to the regulations. In other cases this safety data sheet is not relevant. Departure only after consultation with the supplier.