



PRODUCT SAFETY DATA SHEET
(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : **Fortron Injector Max Petrol (INJPRTG)**

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

Use of the Substance/Mixture : Cleaning Solution

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available.

1.3 Details of the supplier of the safety data sheet

Company : Fortron International Limited, Unit 2 Europark, A5 Watling Street, Clifton-upon-Dunsmore, Rugby CV23 0AL

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01788 860286

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Flammable liquids	Category 2	H225
Aspiration Hazard	Category 1	H304
Skin corrosion/irritation	Category 2	H315
Specific Target Organ Toxicity (Narcotic effects)	Category 3	H336
Hazardous to the aquatic environment - Chronic	Category 2	H411

Classification according to EU Directive 1999/45/EC

Refer to section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word:

Danger

Hazard Statements:

H225 Highly Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention:

P210	:	Keep away from heat/sparks/open flames/hot surfaces . no smoking
P233	:	Keep container tightly closed
P273	:	Avoid release to the environment.
P280	:	Wear protective gloves/eye protection

Response:

P301 + P310	:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331	:	Do NOT induce vomiting
P370 + P378	:	In case of fire: Use foam/dry powder/CO2 . fine water spray for extinction

Disposal:

P501	:	Dispose of contents/container in accordance with local and national regulations
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Labelling according to EU Directive 1999/45/EC

Refer to Section 16.

Hazardous components which must be listed on the label

Contains Petroleum Distillate & Methyl tertiary butyl ether

2.3 Other hazards

None known

3. Composition/Information on Ingredients.

3.1 Mixtures

Substances presenting a health or environmental hazard according to Directive 67/548/EEC or Regulation EC1272/2008

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	EC . 921-024-6 CAS . 64742-49-0 Reach - 01-2119475133-43-xxxx	Highly Flammable R11 Irritant R38 Harmful R65 Dangerous for the environment R51/53 R67	Flam. Liq 2 H225 Skin Irrit 2 H315 Asp. Tox 1 H304 Aq. Chronic 2 H411 STOT SE 3 H336	25-40%
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC - 926-141-6 CAS 64742- 47-8 Reach - 01-2119484819-18-xxxx	Harmful R65 R66	Asp Tox 1 H304 EUH066	20-30%
Butyl Glycol	EC . 203-905-0 CAS . 111-76-2 Reach - 01-2119475108-36-xxxx	Harmful R20/21/22 Irritant R36/38	Acute Tox 4 H302 Acute Tox 4 H312 Acute Tox 4 H332 Skin Irrit 2 H315 Eye Irrit 2 H319	15-24%
4-methyl pentan-2-ol	EC . 203-551-7 CAS . 108-11-2 Reach - 01-2119473979-13-xxxx	Flammable R10 Irritant R37	Flam. Liq 3 H226 STOT SE 3 H335	10-20%
Methyl t Butyl Ether	EC . 216-653-1 CAS . 1634-04-4 Reach - 01-2119452786-27-xxxx	Highly Flammable R11 Irritant R38	Flam. Liq. 2 H225 Skin Irrit. 2 H315	10-20%
Toluene	EC . 203-625-9 CAS . 108-88-3 Reach - 01-2119471310-51-xxxx	Highly Flammable R11 Irritant R38 Harmful R48/20 Harmful R63 Harmful R65 Harmful R67	Flam. Liq. 2 H225 Skin Irrit. 2 H315 STOT RE 2 H373 Repr. 2 H361d Asp Tox 1 H304 STOT SE 3 H336	<5%

Additional information: For the wording of the listed risk phrases and hazard statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Immediate medical attention is required. Major effects of acute over exposure will be local irritation and CNS depression. Treat symptoms.

Eye Contact: Flush with clean water for 15minutes. If irritation persists, obtain medical attention.

Skin Contact: Wash off with soap and water. The application of skin reconditioning (emollient) cream can be beneficial.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Water to drink and rinse may be beneficial.

Aspiration Hazard. May cause rapid absorption via lungs, resulting in injury to other body systems. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2. Water Spray may not be suitable for fire fighting but use to disperse vapours and protect fire fighters.

Unsuitable Extinguishing Media : Water jet.

5.2 Special hazards arising from the substance or mixture

Classified as highly flammable. Fire exposed containers should be sprayed with water to keep cool and avoid bursting.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow product to soak into drains, water courses, sewers or pits where the vapour may produce an explosive atmosphere. If substance has entered drains, advise police.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Where spillage has occurred, personnel should wear suitable protective clothing and respirators where there is a risk of exposure to high vapour levels.

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

Use only in well ventilated areas.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Store between 10-35°C. Store in mild steel, stainless steel or aluminium containers. Many plastics and organic coatings are unsuitable. Store in accordance with the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations. Store in a cool dry place away from heat or sources of combustion. All storage and transfer systems should be earthed to prevent build up of static discharge.

7.3 Specific end uses

To be used as a cleaning solution.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Exposure limit values:

<u>Ingredient Name</u>		<u>8hr TWA</u>	<u>15min STEL</u>
Hydrocarbons	WEL	5mg/m ³	10mg/m ³
2-Butoxyethanol	WEL (skin)	25ppm	50ppm
Xylene	WEL (skin)	50ppm	100ppm
Toluene	WEL (skin)	50ppm	100ppm
Methyl tertiary butyl ether	WEL	50ppm	100ppm
4-methyl pentan-2-ol	WEL (skin)	25ppm	40ppm

8.2 Exposure controls

Respiratory Protection: Ensure good ventilation. Wear respiratory protection where there is a risk of exposure to high vapour concentrations.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

8.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Clear Amber Liquid
Odour:	Solvent
Odour Threshold:	Not determined
pH Neat:	Not applicable
Freezing Point:	Not determined
Initial Boiling Point & Boiling Range:	55°C . 190°C
Flash Point:	-28°C
Evaporation rate:	Not determined
Flammability:	Highly Flammable
Upper/Lower Flammability Limits:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	>1 (Water=100)
Relative Density:	0.750 typical @ 20°C
Solubility:	Insoluble in water Miscible with most Solvents
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	>100°C
Decomposition Temperature:	Not determined
Viscosity @ 40°C:	<7.0 c/st
Explosive Properties:	Not determined
Oxidising Properties:	Not applicable

9.2 Other Information

No other information available.

10. Stability and Reactivity.

10.1 Reactivity

No information available

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

Avoid naked flames, hot surfaces and other high temperature sources.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

Product is stable under normal conditions.

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes: Contact is likely to cause irritation. Brief contact is not likely to cause permanent eye damage.

Skin: Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin and/or slight irritation.

Inhalation: Vapour can be irritating to upper respiratory tract and eyes, may cause headaches and dizziness, is anaesthetic and may have other CNS effects.

Ingestion: Aspiration Hazard. May cause lung damage if material gets into lungs after swallowing, breathing vapour/spray or vomiting swallowed material. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities, may cause vomiting and diarrhoea.

Acute Toxicity:	Hydrocarbons, C11-C14	LD50 Oral (rat)	>2000mg/kg
	MTBE	LD50 Oral (rat)	>2000 mg/kg
		LC50 Inhalation(rat 4hr)	85 mg/l
	Xylene	LD50 Oral (rat)	3523 mg/kg
	Toluene	LD50 Oral (rat)	5000 mg/kg
		LC50 Inhalation (rat 4hr)	20 mg/l

12. Ecological Information.

12.1 Toxicity

Eco-toxicity:	Hydrocarbons, C6-C7	LC50 96hrs (fish)	1-10 mg/l
	MTBE	LC50 96hrs (fish)	672 mg/l
		EC50 48hrs (daphnia)	651 mg/l
	Xylene	LC50 96hrs (fish)	4.2 mg/l
		EC50 48hrs (daphnia)	2.93 mg/l
	Toluene	LC50 96hrs (fish)	24 mg/l
		EC50 48hrs (daphnia)	11.5 mg/l

12.2 Persistence and Degradability:

Inherently bio-degradable according to OECD guidelines.

12.3 Bio-accumulative potential

May accumulate in organs

12.4 Mobility in soil

Should not be deposited where it can effect ground or surface waters.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration

13. Disposal Recommendations.

13.1 Waste treatment methods

If not recoverable, dispose of by approved incineration. Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

14.1 UN number

1993

14.2 UN Proper shipping name

ADR Flammable Liquid, NOS contains Petroleum Distillate & Methyl t-Butyl Ether

IMDG Flammable Liquid, NOS contains Petroleum Distillate & Methyl t-Butyl Ether

14.3 Transport hazard classes

ADR Class : 3
Hazard ID No. : 33
Classification code : F1
Tunnel restriction code : D/E
Labels : Class 3



IMDG Class : 3
EMS : F-E, S-E
Labels : Class 3



14.4 Packing group

ADR : II
IMDG : II

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR : Yes (>5 litre capacity containers)

Labelling according to 5.2.1.6.3 IMDG : Yes (>5 litre capacity containers)

Classified as \neq Marine pollutant according to 2.10 IMDG : Yes

14.6 Special precautions for user

ADR Limited Quantity . 1 Litre (maximum quantity per inner packaging or article for carriage in accordance with ADR Chapter 3.4)

IMDG Limited Quantity . 1 Litre (maximum quantity per inner packaging or article for carriage in accordance with IMDG Chapter 3.4)

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not applicable

15. Regulatory Information.

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger	Risk Phrases
Highly Flammable	R11
Harmful	R65
Irritant	R38
Dangerous for the environment	R51/53 R67

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: F+ Highly Flammable, Xn Harmful, N Dangerous for the environment

Risk Phrases:

R11:	Highly Flammable
R38:	Irritating to skin
R51/53:	Harmful 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 or dizziness

Safety Phrases:

S9:	Keep container in a well ventilated place
S16:	Keep away from sources of ignition . no smoking
S23:	Avoid breathing mist, vapour or spray
S37:	Wear suitable gloves
S43:	In case of fire use foam/dry powder/CO2 . fine water spray suitable
S51:	Use only in well ventilated areas
S61:	Avoid release to the environment. Refer to special instructions/safety data sheet
S62:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Full text of R-phrases referred to under sections 2 & 3

R10:	Flammable
R11:	Highly Flammable
R20/21:	Harmful by inhalation and in contact with skin
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/38:	Irritating to the eyes and skin
R37:	Irritating to the respiratory system
R38:	Irritating to the skin
R48/20:	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53:	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R63:	Possible risk of harm to the unborn child
R65:	Harmful: may cause lung damage if swallowed
R66:	Repeated exposure may cause skin dryness or cracking
R67:	Vapours may cause drowsiness and dizziness

Full text of H-Statements referred to under sections 2 & 3

H225	Highly Flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking.

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

Contact

Fortron International Limited, Tel 01788 860286

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.