

XL 740HT

Version 1.0

Revision Date 12.04.2015

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

Product information

Product name : XL 740HT

Article-No. :

Use of the Substance/Mixture : Lubricating oil

Company : INGERSOLL RAND
800 D Beatty Street
Davidson, NC 28036
United States
Phone: +1 704-655-4000

National contact :
Emergency telephone number : +1-703-527-3887 (24hrs)

2. Hazards identification

GHS Classification

: Acute toxicity, Category 5, Dermal
Acute aquatic toxicity, Category 3

GHS-Labeling

Signal word : Warning

Hazard statements : H313: May be harmful in contact with skin.
H402: Harmful to aquatic life.

Precautionary statements : **Prevention:**
P273 Avoid release to the environment.
Response:
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

3. Composition/information on ingredients

Chemical nature : ester oil

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Hazardous components

Chemical Name	CAS-No.	Concentration[%]
1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich	68515-47-9	90 - 100
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 10
diphenyl tolyl phosphate	26444-49-5	0,1 - 1
Triphenyl phosphate	115-86-6	0,1 - 1
bis(methylphenyl) phenyl phosphate	26446-73-1	0,1 - 1

4. First aid measures

- If inhaled : Obtain medical attention.
Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.
Get medical attention immediately if irritation develops and persists.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.
Wash off immediately with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.
If unconscious place in recovery position and seek medical advice.
Keep respiratory tract clear.
Do NOT induce vomiting.
Obtain medical attention.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.

Notes to physician

- Symptoms : No information available.
- Risks : None known.

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Treatment : No information available.

5. Firefighting measures

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides
Nitrogen oxides (NOx)

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
In the case of respirable dust and/or fumes, use self-contained breathing apparatus.
Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.
Ensure adequate ventilation.
Do not breathe vapours or spray mist.
Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for 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).

7. Handling and storage

Handling

Advice on safe handling : Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.
Do not get in eyes or mouth or on skin.
Do not get on skin or clothing.
Do not ingest.
Do not repack.
Do not re-use empty containers.
These safety instructions also apply to empty packaging which may still contain product residues.
Keep container closed when not in use.
Avoid inhalation of vapour or mist.

Storage

Requirements for storage areas and containers : Store in original container.
Keep container closed when not in use.
Keep in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with the particular national regulations.
Keep in properly labelled containers.

8. Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
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Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Respiratory protection : Not required; except in case of aerosol formation.
Filter type A-P

Hand protection : For prolonged or repeated contact use protective gloves.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
In case of contact through splashing:

: Nitrile rubber

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Manufacturer, importer, supplier: Class 1

- Eye protection : Safety glasses with side-shields conforming to EN166
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

9. Physical and chemical properties

Appearance

- Physical state : liquid
- Colour : colourless
- Odour : characteristic

Safety data

- Flash point : 263 °C
Method: ASTM D 92
- Ignition temperature : Remarks: No data available
- Lower explosion limit : Note: No data available
- Upper explosion limit : Note: No data available
- Flammability (solid, gas) : No data available
- Oxidizing properties : Note: No data available
- Auto-ignition temperature : Note: No data available
- pH : Note: No data available
- Melting point/range : Note: No data available
- Boiling point/boiling range : Note: No data available
- Sublimation point : Note: No data available
- Vapour pressure : < 0,001 hPa
at 20 °C

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Density	: 0,95 g/cm ³ at 20 °C
Bulk density	: Note: No data available
Water solubility	: Note: insoluble
Partition coefficient: n- octanol/water	: Note: No data available
Solubility in other solvents	: Note: No data available
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: 150 mm ² /s at 40 °C
Relative vapour density	: Note: No data available
Evaporation rate	: Note: No data available

10. Stability and reactivity

Conditions to avoid	: No conditions to be specially mentioned.
Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	: Remarks: This information is not available.
Acute inhalation toxicity	: Remarks: This information is not available.
Acute dermal toxicity 1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich	: LD50: > 3.160 mg/kg Species: Rabbit
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene	: LD50: > 2.000 mg/kg Species: Rat Method: OECD Test Guideline 402
diphenyl tolyl phosphate	: LD50: > 5.000 mg/kg Species: Rat
Triphenyl phosphate	: LD50: > 10.000 mg/kg Species: Rabbit Method: OECD Test Guideline 402

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

bis(methylphenyl) phenyl phosphate : LD50: > 5.000 mg/kg
Species: Rat

Skin corrosion/irritation

Skin irritation : Remarks: This information is not available.

Serious eye damage/eye irritation

Eye irritation : Remarks: This information is not available.

Respiratory or skin sensitisation

Sensitisation : Remarks: This information is not available.

Germ cell mutagenicity

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

Teratogenicity

Remarks

1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich : No toxicity to reproduction

Target Organ Systemic Toxicant - Single exposure

1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Target Organ Systemic Toxicant - Repeated exposure

: This information is not available.

Target Organ Systemic Toxicant - Repeated exposure

1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich : Remarks: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Aspiration toxicity : This information is not available.

Further information : Information given is based on data on the components and the toxicology of similar products.

12. Ecological information

Ecotoxicity effects

Toxicity to fish :

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Remarks:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks:
No data available

Toxicity to algae : Remarks:
No data available

diphenyl tolyl phosphate : 1
triphenyl phosphate : 1
bis(methylphenyl) phenyl phosphate : 1

Toxicity to bacteria : Remarks:
No data available

Toxicity to fish (Chronic toxicity)
Triphenyl phosphate : NOEC: <= 0,0014 mg/l
Exposure time: 90 d
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
diphenyl tolyl phosphate : NOEC: 0,12 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

bis(methylphenyl) phenyl phosphate : EC50: 0,31 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

NOEC: 0,12 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Mobility : Remarks:
No data available

Distribution among environmental compartments : Remarks:
No data available

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

Biodegradability : Remarks:
No data available

Physico-chemical
removability : Remarks:
No data available

Further information on ecology

Acute aquatic toxicity
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene

diphenyl tolyl phosphate : Harmful to aquatic life.
: Very toxic to aquatic life.

Triphenyl phosphate : Very toxic to aquatic life.

bis(methylphenyl) phenyl
phosphate : Very toxic to aquatic life.

Chronic aquatic toxicity
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene

diphenyl tolyl phosphate : Harmful to aquatic life with long lasting effects.
: This product has no known ecotoxicological effects.

Triphenyl phosphate : Very toxic to aquatic life with long lasting effects.

bis(methylphenyl) phenyl
phosphate : This product has no known ecotoxicological effects.

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
diphenyl tolyl phosphate

Triphenyl phosphate :

bis(methylphenyl) phenyl
phosphate :

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
diphenyl tolyl phosphate :

Triphenyl phosphate :

bis(methylphenyl) phenyl
phosphate :

Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
diphenyl tolyl phosphate :

Triphenyl phosphate :

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

bis(methylphenyl) phenyl
phosphate :

Results of PBT assessment

1,2-Benzenedicarboxylic
acid, di-C11-14-branched
alkyl esters, C13-rich
diphenyl tolyl phosphate

: Non-classified PBT substance, Non-classified vPvB substance

: This substance is not considered to be persistent,
bioaccumulating and toxic (PBT)., This substance is not
considered to be very persistent and very bioaccumulating
(vPvB).

Additional ecological
information

: Harmful to aquatic life with long lasting effects.

13. Disposal considerations

Product

: The product should not be allowed to enter drains, water
courses or the soil.

Contaminated packaging

: Empty containers can be landfilled, when in accordance with
the local regulations.

14. Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

15. Regulatory information

16. Other information

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge,
information and belief at the date of its publication. The information given is designed only as a

XL 740HT

Version 1.0

Revision Date 12.04.2015

Print Date 12.04.2015

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