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

**Product name:** IR XL-740HT  
**Product Use Description:** Lubricant  
**Emergency telephone number:** (US) +1 866-430-2775

**DISTRIBUTOR**  
INGERSOLL RAND  
800D BEATY ST  
DAVIDSON, NC  
28036  
United States of America  
Telephone: +01 704-655-4000

**U.S. 24-Hour Emergency #: 800-424-9300**  
Outside U.S. Emergency #: +01 703-527-3887

**Prepared by**  
Product Safety Department  
(US) +1 866-430-2775

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS-Classification

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Category 5</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 3</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

### GHS-Labelling

![Exclamation Mark]
### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich</td>
<td>68515-47-9</td>
<td>&gt;=60 - &lt;= 100</td>
</tr>
<tr>
<td>N-1-naphthylaniline</td>
<td>90-30-2</td>
<td>&gt;=0,1 - &lt; 1</td>
</tr>
<tr>
<td>diphenylamine</td>
<td>122-39-4</td>
<td>&gt;=0,1 - &lt; 1</td>
</tr>
</tbody>
</table>

### SECTION 4. FIRST AID MEASURES

#### First aid procedures

- **Inhalation**: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or poison control centre immediately. If breathing is difficult, give oxygen. Keep respiratory tract clear.

- **Skin contact**: Wash off with soap and plenty of water. If symptoms persist, call a physician. Take off contaminated clothing and wash before reuse.

- **Eye contact**: If eye irritation persists, consult a specialist.

- **Ingestion**: Rinse mouth with water. If victim is fully conscious, give a cupful of water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not give milk or alcoholic beverages. Obtain medical attention.

#### Notes to physician

- **Symptoms**: No information available.
- **Risks**: No information available.
- **Treatment**: No information available.
SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Protective equipment and precautions for firefighters

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous decomposition products : Type:
No hazardous decomposition products are known.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Specific hazards during firefighting : Burning produces irritant fumes.
Burning produces noxious and toxic fumes.

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : No special environmental precautions required.

Methods for containment / Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.
SECTION 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : green

Odour : mild

Safety data

pH : Not applicable

Boiling point/boiling range : > 400 °C

Vapour pressure : No data available

Specific Gravity : 0.96

Water solubility : slightly soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : No data available
IR XL-740HT

Materials to avoid : Strong acids and strong bases

Hazardous decomposition products : Type:
No hazardous decomposition products are known.

Note : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute dermal toxicity : Remarks: May be harmful in contact with skin.

Sensitisation : Remarks: May cause sensitisation by skin contact.

No data available

Component:
1,2-Benzene dicarboxylic acid, di-
C11-14-branched alkyl esters, C13-rich
68515-47-9

Acute oral toxicity
LD50 Rat
Dose: > 10.000 mg/kg

Acute dermal toxicity
LD50 Rabbit
Dose: > 3.160 mg/kg

Skin irritation
Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Eye irritation
Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Sensitisation
Buehler Test Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406

STOT - repeated exposure
Application Route: Oral
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Component:

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IR XL-740HT

N-1-naphthylaniline
90-30-2

Acute oral toxicity
LD50 Rat
Dose: 1.625 mg/kg

Acute dermal toxicity
LD50 Dermal Rabbit
Dose: > 5.000 mg/kg

Skin irritation
Rabbit
Result: No skin irritation
Method: Draize Test

Eye irritation
Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Sensitisation
Maximisation Test (GPMT) Guinea pig
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

Sensitisation
Patch Test Human
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

STOT - repeated exposure
Application Route: Oral
Target Organs: Liver, Kidney
Assessment: May cause damage to organs through prolonged or repeated exposure.

Component:
diphenylamine
122-39-4

Acute oral toxicity
LD50 Rat
Dose: 2,72 mg/kg

Acute dermal toxicity
LD50 Rabbit
Dose: > 2.000 mg/kg

Skin irritation
Rabbit
Result: Mild skin irritation

Eye irritation
Rabbit
Result: Mild eye irritation

Sensitisation
Guinea pig
Result: Does not cause skin sensitisation.

Repeated dose toxicity
OralMouse
NOEL: 1,7 mg/kg
Lowest observed effect level: 93,8 mg/kg

Repeated dose toxicity
**SECTION 12. ECOLOGICAL INFORMATION**

Biodegradability: No data available

Bioaccumulation: No data available

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

**Component:**
1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich
68515-47-9

Toxicity to algae:
EC50
Species: Green algae (Scenedesmus subspicatus)
Dose: 8,6 mg/l
Exposure time: 72 h

N-1-naphthylaniline
90-30-2

Toxicity to fish:
semi-static test LC50
Species: Oncorhynchus mykiss (rainbow trout)
Dose: 0,44 mg/l
Exposure time: 96 h
Analytical monitoring: yes
Method:

Toxicity to daphnia and other aquatic invertebrates:
semi-static test EC50
Species: Daphnia magna (Water flea)
Dose: 0,68 mg/l
Exposure time: 48 h
Analytical monitoring: yes

Toxicity to bacteria:
EC50
Species: Protozoa
Dose: 2 mg/l
Exposure time: 48 h

Toxicity to bacteria:
EC50
Species: Bacteria
Dose: > 10.000 mg/l
Exposure time: 3 h

Toxicity to daphnia and other aquatic invertebrates Chronic toxicity:
NOEC
Species: Daphnia magna (Water flea)
Concentration: 0,02 mg/l
Exposure time: 21 d
Analytical monitoring: yes

diphenylamine
122-39-4

Toxicity to fish:
LC50
Species: Oncorhynchus mykiss (rainbow trout)
**IR XL-740HT**

Dose: 2.2 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50  
Species: Daphnia magna (Water flea)  
Dose: 1.2 mg/l  
Exposure time: 48 h

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**SECTION 13. DISPOSAL CONSIDERATIONS**

Further information  
Dispose of wastes in an approved waste disposal facility.  
The product should not be allowed to enter drains, water courses or the soil.  
In accordance with local and national regulations.  
Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

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**SECTION 14. TRANSPORT INFORMATION**

**ADR**  
Not dangerous goods

**IATA**  
Not dangerous goods

**IMDG**  
Not dangerous goods

**RID**  
Not dangerous goods

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**SECTION 15. REGULATORY INFORMATION**

*The components of this product are reported in the following inventories:*

**US.TSCA**  
On TSCA Inventory

**DSL**  
All components of this product are on the Canadian DSL.

MSDS Number: 400000002227
**SECTION 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.