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

Product name: IR XL-740HT
Product Use Description: Lubricant
Company:

DISTRIBUTOR
INGERSOLL RAND
800D BEATY ST
DAVIDSON, NC
28036
United States of America

Telephone: +01 704-655-4000

Emergency telephone number:
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

SECTION 2. HAZARDS IDENTIFICATION

GHS-Classification

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

GHS-Labelling

MSDS Number: 400000002227
IR XL-740HT

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.

Hazard statements

Warning

May be harmful in contact with skin.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray., Contaminated work clothing should not be allowed out of the workplace., Avoid release to the environment., Wear protective gloves., IF ON SKIN: Wash with plenty of water., Specific treatment (see supplemental first aid instructions on this label)., If skin irritation or rash occurs; Get medical advice/ attention., Take off contaminated clothing and wash it before reuse.

Dispose of contents/ container to an approved waste disposal plant.
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.

MSDS Number: 400000002227
SECTION 8. EXPOSURE CONTROLS/PERSONAL 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
**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-Benzenedicarboxylic 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:**
MSDS Number: 400000002227
**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.

- **Repeated dose toxicity**
  - Oral Mouse
  - NOEL: 1.7 mg/kg
  - Lowest observed effect level: 93.8 mg/kg

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### 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.

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**STOT - repeated exposure**

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

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.

SECTION 14. TRANSPORT INFORMATION

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

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
AICS  On the inventory, or in compliance with the inventory
NZIoC  On the inventory, or in compliance with the inventory
ENCS  Not in compliance with the inventory
KECI  On the inventory, or in compliance with the inventory
PICCS  On the inventory, or in compliance with the inventory
IECSC  On the inventory, or in compliance with the inventory

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.