

**IR XL-700**

Version:	1.1
Revision Date:	2018.05.1
Print Date:	2018.05.1

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

Product name: IR XL-700

Product Use Description: Lubricant

Company:

DISTRIBUTED BY  
 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**

Acute toxicity	<b>Category 5</b>	Dermal
Skin corrosion/irritation	<b>Category 2</b>	
Skin sensitisation	<b>Category 1</b>	
Aspiration hazard	<b>Category 1</b>	
Acute aquatic toxicity	<b>Category 3</b>	
Chronic aquatic toxicity	<b>Category 3</b>	

### **GHS-Labeling**



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<b><u>Hazard statements</u></b>	<b><u>Precautionary statements</u></b>
<p><b><u>Danger</u></b></p> <p>May be fatal if swallowed and enters airways.            May be harmful in contact with skin.            Causes skin irritation.            May cause an allergic skin reaction.            Harmful to aquatic life with long lasting effects.</p>	<p>Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray., Wash skin thoroughly after handling., Contaminated work clothing should not be allowed out of the workplace., Avoid release to the environment., Wear protective gloves.            IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician., IF ON SKIN: Wash with plenty of water., Call a POISON CENTER or doctor/ physician if you feel unwell., Do NOT induce vomiting., If skin irritation or rash occurs: Get medical advice/ attention., Take off contaminated clothing and wash it before reuse.            Store locked up.            Dispose of contents/ container to an approved waste disposal plant.</p>

**SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

<b>Chemical Name</b>	<b>CAS-No.</b>	<b>Concentration [%]</b>
di-"isodecyl" phthalate	26761-40-0	>=70 - < 90
Butene, homopolymer	9003-29-6	>=10 - < 20
1,2-Benzenedicarboxylic acid, di-C11-14-branched alkyl esters, C13-rich	68515-47-9	>=1 - < 10
2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol	118-82-1	>=1 - < 10
N-1-naphthylaniline	90-30-2	>=0,1 - < 1
diphenylamine	122-39-4	>=0,1 - < 1

**SECTION 4. FIRST AID MEASURES****First aid procedures**

Inhalation	: If inhaled Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of bluish discolouration (lips, ear lobes, fingernails), give oxygen as quickly as possible. If symptoms persist, call a physician.
Skin contact	: In case of skin contact Wash off with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Get medical attention if irritation develops and persists.
Eye contact	: In case of eye contact Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	: If swallowed, DO NOT induce vomiting. Consult a physician if necessary.

**Notes to physician**

Symptoms	No information available.
Treatment	No information available.

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**SECTION 5. FIREFIGHTING MEASURES****Flammable properties**

Flash point : 249 °C (480 °F )  
Method: Cleveland open cup ASTM D 92

Lower explosion limit : Remarks: No data available

Upper explosion limit : Remarks: No data available

**Protective equipment and precautions for firefighters**

Suitable extinguishing media : Carbon dioxide (CO2)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist

Unsuitable extinguishing media : Water

Hazardous decomposition products : Type: Hazardous decomposition products  
Carbon oxides

Further information : In the event of fire, cool tanks with water spray.

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

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.

Environmental precautions : Should not be released into the environment.  
Do not contaminate water.  
Do not flush into surface water or sanitary sewer system.

Methods for containment /  
Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Additional advice : Forms slippery/greasy layers with water.

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**SECTION 7. HANDLING AND STORAGE****Handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.  
 Keep container closed when not in use.  
 Do not use pressure to empty drums.  
 Ensure all equipment is electrically grounded before beginning transfer operations.

**Storage**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.  
 Other data : Stable under recommended storage conditions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protective equipment**

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.  
 In the case of vapour formation use a respirator with an approved filter.

Hand protection : Neoprene gloves

Eye protection : Safety glasses with side-shields  
 Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Avoid contact with skin, eyes and clothing.  
 Provide adequate ventilation.  
 Do not breathe dust or spray mist.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form : liquid

Colour : purple

Odour : mild  
 ester-like

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**Safety data**

Flash point	:	249 °C
		Method: Cleveland open cup ASTM D 92
Ignition temperature	:	Remarks: not determined
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
pH	:	Not applicable
pour point	:	-40 °C
Boiling point/boiling range	:	No data available
Vapour pressure	:	No data available
Specific Gravity	:	0,92
Water solubility	:	slightly soluble
		negligible
Partition coefficient: n-octanol/water	:	No data available
Viscosity, kinematic	:	No data available

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Heat.
		Open flame.
Materials to avoid	:	Strong acids and strong bases
		Strong oxidizing agents
Hazardous decomposition products	:	<u>Type: Hazardous decomposition products</u> Carbon oxides
Hazardous reactions	:	<u>Type: polymerisation</u> Hazardous polymerisation does not occur.
Note	:	Stable under recommended storage conditions.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

There is no data available for this product.

There is no data available for this product.

**Component:**

di-"isodecyl" phthalate  
26761-40-0

: Acute oral toxicity  
LD50 Rat  
Dose: > 5.000 mg/kg

Acute dermal toxicity  
LD50 Rat  
Dose: > 2.900 mg/kg

Acute inhalation toxicity  
LC50 Rat  
Exposure time: 4 h  
Dose: > 12,54 mg/l

Skin irritation  
Rabbit  
Result: No skin irritation  
Method: OECD-Guideline No. 404

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

Sensitisation  
Human  
Classification: Did not cause sensitisation on laboratory animals.  
Sensitisation  
Maximisation Test (GPMT) Guinea pig  
Classification: Did not cause sensitisation on laboratory animals.  
Sensitisation  
Buehler Test Guinea pig  
Classification: Did not cause sensitisation on laboratory animals.

**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

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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:

2,2',6,6'-tetra-tert-butyl-4,4'-  
methylenediphenol  
118-82-1

Acute oral toxicity

LD50 Rat

Dose: &gt; 5.000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity

LD50 Rabbit

Dose: &gt; 2.000 mg/kg

Method: OECD Test Guideline 402

Component:

N-1-naphthylaniline  
90-30-2

Acute oral toxicity

LD50 Rat

Dose: 1.625 mg/kg

Acute dermal toxicity

LD50 Dermal Rabbit

Dose: &gt; 5.000 mg/kg

Skin irritation

Rabbit

Result: No skin irritation

Method: Draize Test

Eye irritation

Rabbit

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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

OralMouse  
NOEL: 2,1 mg/kg  
Lowest observed effect level: 107 mg/kg



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**SECTION 12. ECOLOGICAL INFORMATION**

Biodegradability : Result: No data available

Bioaccumulation : No data available

Acute Fish toxicity : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

There is no data available for this product.

There is no data available for this product.

**Component:**

di-"isodecyl" phthalate  
26761-40-0

: Toxicity to algae:  
EC50  
Species: Green algae (Scenedesmus subspicatus)  
Dose: > 500 mg/l  
Exposure time: 72 h

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

2,2',6,6'-tetra-tert-butyl-4,4'-  
methylenediphenol  
118-82-1

: Toxicity to fish:  
static test LC50  
Species: Cyprinodon variegatus (sheepshead minnow)  
Dose: > 1.000 mg/l  
Exposure time: 96 h  
Method:

: Toxicity to daphnia and other aquatic invertebrates:  
static test LC50  
Species: Mysid shrimp  
Dose: > 1.000 mg/l  
Exposure time: 96 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

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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)  
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 : In accordance with local and national regulations.  
Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14. TRANSPORT INFORMATION****ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

**SECTION 15. REGULATORY INFORMATION**

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

<b>US.TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL.
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	On the inventory, or in compliance with the inventory
<b>ENCS</b>	Not in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	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.