



IR XL-700
Lubricant

Version:	1.0
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	Category 5	Dermal
Skin corrosion/irritation	Category 2	
Skin sensitisation	Category 1	
Aspiration hazard	Category 1	
Acute aquatic toxicity	Category 3	
Chronic aquatic toxicity	Category 3	

GHS-Labeling



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<u>Hazard statements</u>	<u>Precautionary statements</u>
<p><u>Danger</u></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**

Chemical Name	CAS-No.	Concentration [%]
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
118-82-1Acute oral toxicity

LD50 Rat

Dose: > 5,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity

LD50 Rabbit

Dose: > 2,000 mg/kg

Method: OECD Test Guideline 402

Component:N-1-naphthylaniline
90-30-2Acute 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

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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:

US.TSCA	On TSCA Inventory
DSL	All components of this product are on the Canadian DSL.
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.