



Material Safety Data Sheet

IR XL-700

Version: 1.0

Revision Date: 2018.05.1

Print Date: 2018.05.1

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

2. HAZARDS IDENTIFICATION

Classified according to the criteria of NOHSC.
HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Standard for the Uniform : Schedule 5
Scheduling of Medicines and
Poisons

R-phrase(s)

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.

S-phrase(s)

S60: This material and its container must be disposed of as hazardous waste.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Material Safety Data Sheet

IR XL-700

Version: 1.0

Revision Date: 2018.05.1

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
N-1-naphthylaniline	90-30-2	< 10%
diphenylamine	122-39-4	< 10%

Non-Hazardous components

Chemical Name	CAS-No.	Concentration
Non-Hazardous Component(s)		> 60%

4. FIRST AID MEASURES

General advice : For advice, contact a Poisons Information Centre (Phone: Australia 131 126 or New Zealand 0800 764 766) or a doctor at once.

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.

Material Safety Data Sheet

IR XL-700

Version: 1.0

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5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO2)
 Dry powder
 Foam
 Alcohol-resistant foam
 Water mist
- Unsuitable extinguishing media : Water
- 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.
- Further information : In the event of fire, cool tanks with water spray.

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 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.

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.
- Materials to avoid : Strong acids and strong bases

Material Safety Data Sheet

IR XL-700

Version: 1.0

Revision Date: 2018.05.1

Print Date: 2018.05.1

Other data : Strong oxidizing agents
: Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
diphenylamine	122-39-4	TWA	10 mg/m ³	2012-05-04	AU OEL

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : purple

Odour : mild
ester-like

Safety data

Flash point : 249 °C
Method: Cleveland open cup ASTM D 92

Ignition temperature : Remarks: not determined

Lower explosion limit : Note: No data available

Upper explosion limit : Note: No data available

Material Safety Data Sheet

IR XL-700

Version: 1.0

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pH	:	Note: Not applicable
pour point	:	-40 °C
Boiling point/boiling range	:	Note: No data available
Vapour pressure	:	Note: No data available
Relative density	:	0.92
Water solubility	:	Note: slightly soluble Note: negligible
Partition coefficient: n-octanol/water	:	Note: No data available
Viscosity, kinematic	:	Note: No data available

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Remarks: Heat. Remarks: Open flame.
Materials to avoid	:	Remarks: Strong acids and strong bases Remarks: Strong oxidizing agents
Hazardous decomposition products	:	Note: Carbon oxides
Hazardous reactions	:	Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity N-1-naphthylaniline	:	LD50: 1,625 mg/kg Species: Rat
diphenylamine	:	LD50: 2.72 mg/kg Species: Rat
Acute dermal toxicity N-1-naphthylaniline	:	LD50 Dermal: > 5,000 mg/kg Species: Rabbit
diphenylamine	:	LD50: > 2,000 mg/kg

Material Safety Data Sheet

IR XL-700

Version: 1.0

Revision Date: 2018.05.1

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Species: Rabbit

Skin irritation

N-1-naphthylaniline

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

diphenylamine

: Species: Rabbit
 Result: Mild skin irritation

Eye irritation

N-1-naphthylaniline

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

diphenylamine

: Species: Rabbit
 Result: Mild eye irritation

Sensitisation

N-1-naphthylaniline

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

Patch Test

Species: Human

Classification: May cause sensitisation by skin contact.
 Result: May cause sensitisation by skin contact.

diphenylamine

: Species: Guinea pig
 Result: Does not cause skin sensitisation.

Repeated dose toxicity

diphenylamine

: Species: Mouse, male
 Application Route: Oral
 Exposure time: (90 d)
 NOEL: 1.7 mg/kg
 Lowest observed effect level: 93.8 mg/kg

Species: Mouse, female

Application Route: Oral

Exposure time: (90 d)

NOEL: 2.1 mg/kg

Lowest observed effect level: 107 mg/kg

CMR effects

N-1-naphthylaniline

: Carcinogenicity: Animal testing did not show any carcinogenic effects.

Material Safety Data Sheet

IR XL-700

Version: 1.0

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diphenylamine : Mutagenicity: Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
 : Carcinogenicity: Not classifiable as a human carcinogen.
 : Mutagenicity: Animal testing did not show any mutagenic effects.
 : Teratogenicity: No toxicity to reproduction
 : Reproductive toxicity: No toxicity to reproduction

Further information : There is no data available for this product.
 : There is no data available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish :
 : Remarks:
 : No data available

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

Toxicity to algae : Remarks:
 : No data available

Toxicity to bacteria
 N-1-naphthylaniline : EC50: 2 mg/l
 : Exposure time: 48 h
 : Species: Protozoa

 : EC50: > 10,000 mg/l
 : Exposure time: 3 h
 : Species: Bacteria

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
 N-1-naphthylaniline : NOEC: 0.02 mg/l
 : Exposure time: 21 d
 : Species: Daphnia magna (Water flea)
 : Analytical monitoring: yes

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
 : No data available

Material Safety Data Sheet

IR XL-700

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Mobility : Remarks:
No data available

Biodegradability : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment

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

Additional ecological information : There is no data available for this product.

information

: There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

ADG

Not dangerous goods

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATION

Symbol(s) : Xn

R-phrases) : R52/53

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

R65

Harmful: may cause lung damage if swallowed.

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National regulatory information

Standard for the Uniform : Schedule 5
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Other international regulations

Notification status

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

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.

End of Safety Data Sheet