



IR ALL SEASON

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 ALL SEASON

Product Use Description: Lubricant

Company:

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

Telephone: +01 704-655-4000

Emergency telephone number: U.S. 24-Hours 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 sensitisation	Category 1	
Acute aquatic toxicity	Category 3	
Chronic aquatic toxicity	Category 3	

GHS-Labeling



IR ALL SEASON

Lubricant

Version:	1.0
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<u>Hazard statements</u>	<u>Precautionary statements</u>
<p style="text-align: center;"><u>Warning</u></p> <p>May be harmful in contact with skin. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.</p>	<p>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.</p> <p>Dispose of contents/ container to an approved waste disposal plant.</p>

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
bis(tridecyl) adipate	16958-92-2	>=60 - <= 100
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	>=1 - < 5
N-1-naphthylaniline	90-30-2	>=0.1 - < 1
triphenyl phosphate	115-86-6	>=0.1 - < 1
diphenylamine	122-39-4	>=0.1 - < 1

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 Sensitisation
- Treatment For specialist advice physicians should contact the Poisons Information Service.

IR ALL SEASON

Lubricant

Version:	1.0
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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.

IR ALL SEASON

Lubricant

Version:	1.0
Revision Date:	2018.05.1
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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/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Solvent-resistant gloves (butyl-rubber)

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 : straw

Odour : mild ester-like

Safety data

pour point : -40 °C

Boiling point/boiling range : No data available

Specific Gravity : 0.92

Water solubility : negligible

Relative vapour density : No data available

IR ALL SEASON

Lubricant

Version:	1.0
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SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Contamination
- Materials to avoid : Strong oxidizing agents
- Hazardous decomposition products : Type:
No hazardous decomposition products are known.
- Note : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

- Sensitisation : Remarks: May cause sensitisation by skin contact.

No data available

- Component:
bis(tridecyl) adipate
16958-92-2
- : Acute oral toxicity
LD50 Rat
Dose: > 5,000 mg/kg
- Acute dermal toxicity
LD50 Rabbit
Dose: > 2,000 mg/kg

STOT - repeated exposure

Application Route: Skin contact

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

- Component:
Benzenamine, N-phenyl-, reaction
products with 2,4,4-
trimethylpentene
68411-46-1
- Acute oral toxicity
LD50 Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 401
- Acute dermal toxicity
LD50 Rat
Dose: > 2,000 mg/kg

IR ALL SEASON

Lubricant

Version:	1.0
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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

Guinea pig

Classification: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

Component: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: The product is a skin sensitiser, sub-category 1A.

STOT - repeated exposure

Application Route: Oral

Target Organs: Liver, Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure.

Component:

MSDS Number: 000000036132

IR ALL SEASON

Lubricant

Version:	1.0
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triphenyl phosphate
115-86-6

Acute oral toxicity
LD50 Rat
Dose: > 2,000 mg/kg

Acute dermal toxicity
LD50 Rabbit
Dose: > 7,900 mg/kg

Acute inhalation toxicity
LC50 Rat
Exposure time: 1 h
Dose: > 200 mg/l

Skin irritation
Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404
Exposure time: 4 h

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

Sensitisation
Maximisation Test (GPMT) 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:

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

IR ALL SEASON

Lubricant

Version:	1.0
Revision Date:	2018.05.1
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Oral/Mouse
 NOEL: 2.1 mg/kg
 Lowest observed effect level: 107 mg/kg

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.
 This product has no known ecotoxicological effects.

Component:

bis(tridecyl) adipate
 16958-92-2 : Toxicity to daphnia and other aquatic invertebrates:
 static test EC50
 Species: Daphnia magna (Water flea)
 Dose: 4,800 mg/l
 Exposure time: 24 h
 Method: OECD Test Guideline 202

Benzenamine, N-phenyl-, reaction products
 with 2,4,4-trimethylpentene
 68411-46-1 : Toxicity to fish:
 LC50
 Species: Danio rerio (zebra fish)
 Dose: > 71 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
 EC50
 Species: Daphnia magna (Water flea)
 Dose: 51 mg/l
 Exposure time: 48 h
 Method: OECD Test Guideline 202

Toxicity to algae:
 EbC50
 Species: Desmodesmus subspicatus (green algae)
 Dose: > 100 mg/l
 Exposure time: 72 h

Additional ecological information:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Do not allow material to contaminate ground water system.
 Do not flush into surface water or sanitary sewer system.

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)

IR ALL SEASON

Lubricant

Version:	1.0
Revision Date:	2018.05.1
Print Date:	2018.05.1

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

triphenyl phosphate
 115-86-6

Toxicity to fish:

static test LC50
 Species: Lepomis macrochirus (Bluegill sunfish)
 Dose: 0.78 mg/l
 Exposure time: 96 h
 Method:

Toxicity to fish:

static test LC50
 Species: Oryzias latipes (Orange-red killifish)
 Dose: 1.2 mg/l
 Exposure time: 96 h
 Method:

Toxicity to daphnia and other aquatic invertebrates:

EC50
 Species: Daphnia magna (Water flea)
 Dose: 1 mg/l
 Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates:

EC50
 Species:
 Dose: 0.36 mg/l
 Exposure time: 48 h

Toxicity to algae:

Growth inhibition NOEC
 Species: Green algae (Scenedesmus subspicatus)
 Dose: 0.25 - 2.5 mg/l
 Exposure time: 72 h
 Method: OECD Test Guideline 201

Toxicity to fish Chronic toxicity:

NOEC
 Species: Oncorhynchus mykiss (rainbow trout)
 Concentration: 0.03 mg/l
 Exposure time: 30 d

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

IR ALL SEASON

Lubricant

Version:	1.0
Revision Date:	2018.05.1
Print Date:	2018.05.1

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

Not classified as dangerous in the meaning of transport regulations.

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.

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AICS	On the inventory, or in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory
ENCS	On the inventory, or 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.