

Version:	1.0
Revision Date:	01.04.2015
Print Date:	02.04.2015

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



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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 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.

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SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Lower explosion limit : Remarks: No data available
- Upper explosion limit : Remarks: No data available

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.

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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

Ignition temperature : Remarks: No data available
Lower explosion limit : No data available
Upper explosion limit : No data available
pour point : -40 °C
Boiling point/boiling range : No data available
Vapour pressure : No data available
Specific Gravity : 0,92
Water solubility :

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negligible

Partition coefficient: n-octanol/water : No data available

Solubility in other solvents : No data available

Viscosity, kinematic : No data available

Relative vapour density : No data available

Evaporation rate : No data available

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

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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

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

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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:

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

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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

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

