

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

2. HAZARDS IDENTIFICATION

Classified according to the criteria of NOHSC.
NON-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.

S-phrase(s)

S60: This material and its container must be disposed of as hazardous waste.

General advice : No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical Name	CAS-No.	Concentration
N-1-naphthylaniline	90-30-2	< 10%
triphenyl phosphate	115-86-6	< 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 : 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.

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

- 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.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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.
- 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.

6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

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.

Advice on common storage : No special restrictions on storage with other products.

Materials to avoid : Strong oxidizing agents

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
triphenyl phosphate	115-86-6	TWA	3 mg/m ³	2012-05-04	AU OEL
diphenylamine	122-39-4	TWA	10 mg/m ³	2012-05-04	AU OEL

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : straw

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

Odour : mild
ester-like

Safety data

Ignition temperature : Remarks: No data available

Lower explosion limit : Note: No data available

Upper explosion limit : Note: No data available

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: negligible

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

Solubility in other solvents : Note: No data available

Viscosity, kinematic : Note: No data available

Relative vapour density : Note: No data available

Evaporation rate : Note: No data available

10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Contamination

Materials to avoid : Remarks: Strong oxidizing agents

Hazardous decomposition
products : Note: No hazardous decomposition products are known.

Hazardous reactions : Note: No hazards to be specially mentioned.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
N-1-naphthylaniline : LD50: 1,625 mg/kg

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

	Species: Rat
triphenyl phosphate	: LD50: > 2,000 mg/kg Species: Rat
diphenylamine	: LD50: 2.72 mg/kg Species: Rat
Acute inhalation toxicity triphenyl phosphate	: LC50: > 200 mg/l Exposure time: 1 h Species: Rat
Acute dermal toxicity N-1-naphthylaniline	: LD50 Dermal: > 5,000 mg/kg Species: Rabbit
triphenyl phosphate	: LD50: > 7,900 mg/kg Species: Rabbit
diphenylamine	: LD50: > 2,000 mg/kg Species: Rabbit
Skin irritation N-1-naphthylaniline	: Species: Rabbit Result: No skin irritation Method: Draize Test
triphenyl phosphate	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404 Exposure time: 4 h
diphenylamine	: Species: Rabbit Result: Mild skin irritation
Eye irritation N-1-naphthylaniline	: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405
triphenyl phosphate	: Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405
diphenylamine	: Species: Rabbit Result: Mild eye irritation

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

Sensitisation : Remarks: May cause sensitisation by skin contact.

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.
Mutagenicity: Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

triphenyl phosphate : Carcinogenicity: Animal testing did not show any carcinogenic effects.
Mutagenicity: In vitro tests did not show mutagenic effects
Reproductive toxicity: No toxicity to reproduction

diphenylamine : 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 : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish
N-1-naphthylaniline : LC50: 0.44 mg/l
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Analytical monitoring: yes

triphenyl phosphate : LC50: 0.78 mg/l
Exposure time: 96 h

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

- Species: *Lepomis macrochirus* (Bluegill sunfish)
static test
LC50: 1.2 mg/l
Exposure time: 96 h
- diphenylamine : Species: *Oryzias latipes* (Orange-red killifish)
static test
LC50: 2.2 mg/l
Exposure time: 96 h
- Species: *Oncorhynchus mykiss* (rainbow trout)
- Toxicity to daphnia and other aquatic invertebrates
N-1-naphthylaniline : EC50: 0.68 mg/l
Exposure time: 48 h
Species: *Daphnia magna* (Water flea)
semi-static test Analytical monitoring: yes
- triphenyl phosphate : EC50: 1 mg/l
Exposure time: 48 h
Species: *Daphnia magna* (Water flea)
- EC50: 0.36 mg/l
Exposure time: 48 h
- diphenylamine : EC50: 1.2 mg/l
Exposure time: 48 h
Species: *Daphnia magna* (Water flea)
- Toxicity to algae
triphenyl phosphate : NOEC: 0.25 - 2.5 mg/l
Exposure time: 72 h
Species: Green algae (*Scenedesmus subspicatus*)
Growth inhibition Method: OECD Test Guideline 201
- 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 fish (Chronic toxicity)
triphenyl phosphate : NOEC: 0.037 mg/l
Exposure time: 30 d

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

Species: Oncorhynchus mykiss (rainbow trout)

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

Mobility : Remarks:
No data available

Biodegradability : Remarks:
No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment
No data available

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
This product has no known ecotoxicological effects.

13. DISPOSAL CONSIDERATIONS

Product : 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.

14. TRANSPORT INFORMATION

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

ADG

Not dangerous goods

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.

15. REGULATORY INFORMATION

R-phrases(s) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s) : S60 This material and its container must be disposed of as hazardous waste.

National regulatory information

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

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 : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

Material Safety Data Sheet

IR ALL SEASON

Version: 1.0

Revision Date: 01.04.2015

Print Date: 02.04.2015

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