

7-3105-200-182-11/15



BRAND LOGO IN THE
EUROPEAN UNION
REGISTERED TRADE MARK
LOGO OF THE PRODUCER

Shirlan®

syngenta®

SHIRLAN is a suspension concentrate containing 500 g/l (38.4% w/w) fluazinam.

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

A fungicide for the control of foliar and tuber blight (Phytophthora infestans) in potatoes.

IN CASE OF TOXIC OR TRANSPORT EMERGENCY RING +44 (0)1484 538444 ANY TIME (24HR).

PLEASE SEE ACCOMPANYING LEAFLET FOR PRODUCT USE DETAILS.



FOR PROFESSIONAL USE ONLY

To avoid risks to human health and the environment comply with the instructions for use.

SHIRLAN is a suspension concentrate containing 500 g/l (38.4% w/w) fluazinam.

Warning

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

Very toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Keep out of reach of children.

Wear protective gloves/ protective clothing.

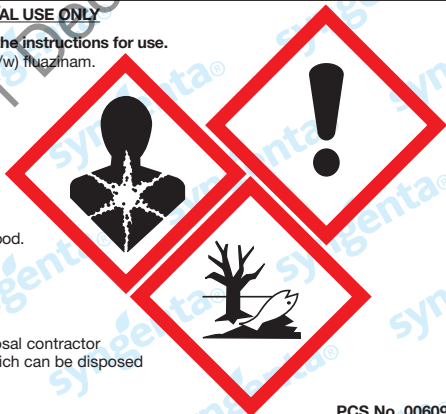
If exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste.

When Dry: combustible



PCS No. 00609

PROTECT FROM FROST.

SHAKE WELL BEFORE USE.

Active ingredient and formulation of Ishihara Sangyo Kaisha, Ltd (ISK Biosciences Europe N.V.)

5 litres

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SHIRLAN[®]

A fungicide for the control of foliar and tuber blight (*Phytophthora infestans*) in potatoes.

CROP	Maximum individual dose	Maximum total dose	Water volume	Latest application time
Potatoes	400 ml/ha	4 l/ha	200-500 l/ha	7 days before harvest

ADDITIONAL SAFETY INFORMATION

Keep unprotected persons out of treated areas for at least 7 days.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before meals and after work.

TAKE OFF IMMEDIATELY all contaminated clothing.

WASH CONCENTRATE from skin and eyes immediately.

Storage and disposal.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Do not re-use container for any other purpose.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.

- Avoid all skin contact with product, spray mist and treated crops;
- Ensure spraying is carried out under good conditions and that sprayer is adjusted to minimise drift;
- Anyone developing skin reactions suggestive of skin sensitisation, such as severe itching, redness or swelling is advised to stop using SHIRLAN immediately and seek medical advice.
- Wash all protective clothing (coveralls) regularly, preferably daily, when working with SHIRLAN.
- When entering crops do not allow contact of unprotected skin with treated foliage.
- People who have been sensitised by SHIRLAN should not use or have further contact with the product.

IF YOU FEEL UNWELL seek medical advice (show label where possible).



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7.3 Specific end use(s)
Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	Exposure limit(s)	Type of exposure limit	Source
fluzinam	0.7 mg/m³	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls: Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapors are generated, use local exhaust ventilation controls.

Engineering Measures: Assess exposure and use any additional measures to keep actual exposure levels below the relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

Hand protection: Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be changed when breakthrough is suspected. Suitable material: nitrile rubber. Break through time: >480 min. Glove thickness : 0.5 mm.

Eye Protection: If eye contact is possible, use tight-fitting chemical safety goggles.

Skin and body protection: Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.) Wear as appropriate: impervious protective suit.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	liquid
Form:	liquid
Colour:	light yellow
Odour:	No data available
Odour Threshold:	No data available
pH:	6.56 at 1%
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	1.29 g/ml
Solubility in other solvents:	Miscible in water
Partition Coefficient n-octanol/water:	No data available
Autoignition temperature:	No data available

Thermal decomposition:	No data available
Viscosity, dynamic:	62 mPa.s
Viscosity, kinematic:	No data available
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidising

9.2 Other Information
No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: See section 10.3 "Possibility of hazardous reactions".

10.2 Chemical Stability: The product is stable when used in normal conditions.

10.3 Possibility of hazardous reactions: No hazardous reactions by normal handling and storage according to provisions.

10.4 Conditions to avoid: No decomposition if used as directed.

10.5 Incompatible materials: No substances are known which lead to the formation of hazardous substances or thermal reactions.

10.6 Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

Acute inhalational toxicity: LC50 rat, > 1.15 mg/l, 4 h

Acute dermal toxicity: LD50 rat, > 2,000 mg/kg

Skin corrosion/irritation: Rabbit: Non-irritating.

Serious eye damage/eye irritation: Rabbit: Non-irritating

Respiratory or skin sensitisation: Guinea pig: A skin sensitiser (derived from components).

Germ cell mutagenicity

fluzinam: Did not show mutagenic effects in animal experiments.

Carcinogenicity

fluzinam: Did not show carcinogenic effects in animal experiments.

Teratogenicity

fluzinam: Did not show teratogenic effects in animal experiments.

Reproductive toxicity

fluzinam: Suspected of damaging the unborn child.

STOT – repeated exposure

fluzinam: No adverse effect has been observed in chronic toxicity tests.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish: LC50 *Oncorhynchus mykiss* (rainbow trout), 0.061 mg/l, 96 h

Toxicity to aquatic invertebrates: EC50 *Daphnia magna* (water flea), 0.119 mg/l, 48h

Toxicity to aquatic plants: EC50 *Pseudokirchneriella subcapitata* (green algae), 0.534 mg/l, 72 h

12.2 Persistence and degradability

Stability in soil

fluzinam: Fluzinam is not persistent in soil

12.3 Bioaccumulative potential

fluzinam: Fluzinam bioaccumulates

poly(oxy-1,2-ethanediyl),

alpha-sulfo-omega-[tris

(1-phe nylethyl)phenoxy]-, ammonium salt:

No data available

12.4 Mobility in soil

fluzinam: Fluzinam is immobile in soil

poly(oxy-1,2-ethanediyl),
alpha-sulfo-omega-[tris
(1-phe nylethyl)phenoxy]-, ammonium salt:

No data available

12.5 Results of PBT and vPvB assessment

fluzinam: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

poly(oxy-1,2-ethanediyl),
alpha-sulfo-omega-[tris
(1-phe nylethyl)phenoxy]-, ammonium salt:

No data available

12.6 Other adverse effects

Other information: Classification of the product is based on the summation of the concentrations of classified components.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1 UN Number : UN 3082

14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUAZINAM)

14.3 Transport hazard class(es) : 9

14.4 Packing Group : III

Labels : 9

14.5 Environmental hazards : Environmentally hazardous

Sea transport (IMDG)

14.1 UN Number : UN 3082

14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUAZINAM)

14.3 Transport hazard class(es) : 9

14.4 Packing Group : III

Labels : 9

14.5 Environmental hazards : Marine pollutant

Air transport (IATA-DGR)

14.1 UN Number : UN 3082

14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUAZINAM)

14.3 Transport hazard class(es) : 9

14.4 Packing Group : III

Labels : 9

14.6 Special precautions for user : None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

GHS-Labeling

Hazard pictograms	
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Signal Word

Warning

Hazard Statements

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

Precautions Statements

P102 Keep out of reach of children

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302/P352 IF ON SKIN: Wash with plenty of soap and water.

P308/P313 If exposed or concerned: Get medical advice/attention.

P306/P353 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed for as non-hazardous waste.

Supplemental Information

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH401 To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label:

• fluzinam

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance.

SECTION 16. OTHER INFORMATION

Approval number, MAPP No. 16624

Use plant protection products safely. Always read the label and product information before use.

Based upon SDS release dated 07/10/2014, version 5 with local amendment.

Full text of R phrases referred to under Section 2 and 3:

R20 Harmful by inhalation.

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R63 Possible risk of harm to the unborn child.

Full text of H-statements referred to under sections 2 and 3:

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage

H332 Harmful if inhaled

H361d Suspected of damaging the unborn child

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

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.

Product names are a trademark or registered trademark of a Syngenta Group Company.

SECTION 17. ADDITIONAL INFORMATION

Information on the use of the product is available in the product label.

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PROPERTIES OF SHIRLAN

BACKGROUND TO POTATO BLIGHT CONTROL

Late blight (Phytophthora infestans) is a potentially devastating disease of potatoes. In commercial production, a season long disease prevention policy is essential. Use cultural control as far as possible, such as:

- (1) Prevent re-growth on potato dumps.
- (2) Use generous soil ridges to protect tubers.

Integrate this approach with a fungicide programme:

Early Crops

In first and second early potato crops, particularly those grown in the same locality as main crop potatoes, an adequate and full blight protection programme should be applied right up to harvesting or haulm desiccation. This will protect the early crop while helping to reduce disease risk to later crops.

Maincrops

Disease prevention programmes require regular and season long fungicide use to limit foliar blight development. However, as an effective fungicide programme will preserve leaf area there may be more risk of infecting tubers at harvest, particularly during "heavy" blight years. Completion of the control programme should therefore include a complete haulm desiccant. Lifting of the crop should not take place for at least 10 days after COMPLETE KILL of the haulm. Crops intended for storage should not be lifted while there is any green tissue AT ALL on the leaves or stem bases.

Blight Risk Assessment

The risk of disease is affected by weather conditions (during the crop life) and crop location:

Weather Conditions - Spread of disease occurs under warm, humid conditions. Irrigation in warm weather provides ideal conditions for disease spread.

NB Blight forecasting has often been based on the occurrence of "Smith periods". A "Smith period" is a 48 hour period in which the minimum temperature is 10°C and the relative humidity exceeds 90% for at least 11 hours during the first 24 hours and for at least 11 hours again during the final 24 hours. However, any period of warm, humid weather increases blight risk.

Crop Location - Locations with the highest probability of blight problems are:

- (1) Areas of the country where extensive maincrop or early production takes place.
- (2) Areas where climatic conditions that encourage disease development occur on a frequent basis.

DIRECTIONS FOR USE

Application Details

1. Application Equipment: Apply SHIRLAN through tractor mounted conventional hydraulic field crop spraying equipment.
2. Sprayer Preparation: Ensure that the sprayer is clean and calibrated correctly, to give even application. Apply at the recommended water volumes using a medium quality spray.
3. Spray Pressure: at least 2 bar.
4. Mixing: Before mixing SHIRLAN, first part fill the spray tank with clean water and commence agitation. Then, shake the SHIRLAN container and add the required amount of product to the tank, before continuing the filling of the spray tank. Agitate thoroughly whilst filling the spray tank and throughout the spraying operation.

Do not leave the spray liquid in the sprayer for long periods (such as during meal-breaks or overnight).

Spray Timing and Intervals

1. Initial Application

SHIRLAN is a protectant fungicide and therefore the spray programme must start BEFORE blight enters the crop. Irrespective of crop growth stage, commence spraying at the first blight warning or when local weather conditions are favourable for the disease, **whichever is the sooner**. Otherwise, in the absence of a weather conducive to disease development, the first application should be made just before foliage of adjacent plants IN THE ROWS begins to meet. Ensure no areas of the field are left untreated.

2. Repeat Applications

Intervals between applications of SHIRLAN MUST be reduced as blight risk increases, so that protection of the crop can be maintained.

"Low risk" situations - applications should be made as a precautionary measure, before conditions conducive to blight development have occurred - APPLY AT 10 DAY INTERVALS

"High risk" situations - following two warm, humid days or in irrigated crops - APPLY AT 7-10 DAY INTERVALS.

"Severe risk" situations - during continued warm, humid weather and when blight is in nearby crops, potato dumps or volunteer plants- APPLY AT 7 DAY INTERVALS.

NB Potato blight fungicides may not give complete protection when the disease risk is severe. However, disease development will be delayed dramatically with a well timed spray programme. Up to ten applications of SHIRLAN may be made to a crop.

Application Rate and Water Volume

Apply 400 ml/ha of SHIRLAN at each treatment.

Apply SHIRLAN in 200 to 500 litres of water per hectare. Use adequate water to ensure complete coverage of the foliage and stems, increasing the volume as haulm growth progresses, particularly in dense crops and under high or severe blight risk conditions.

Harvest Interval

Allow at least 7 days to elapse between the last application of SHIRLAN and harvest of the crop.

Crops Grown for Processing

Consult processor before use.

Disease Resistance

Disease control may be reduced if strains of pathogen less sensitive to SHIRLAN develop.

THIS PRODUCT IS TO BE USED ONLY IN ACCORDANCE WITH THE RECOMMENDATIONS AND INSTRUCTIONS GIVEN ON THE LABEL PROVIDED WITH THIS PACK. USE IN ANY OTHER CIRCUMSTANCES IS ENTIRELY AT THE USER'S RISK.

SHIRLAN is a suspension concentrate containing 500 g/l (38.4% w/w) fluazinam.

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE.

A fungicide for the control of foliage and tuber blight (Phytophthora infestans) in potatoes.

IN CASE OF TOXIC OR TRANSPORT EMERGENCY RING 0044 1484 538444 ANYTIME (24HR).

Active ingredient and formulation of Ishihara Sangyo Kaisha, Ltd (ISK Biosciences Europe NV)

© Syngenta AG, 2015.

PROTECT FROM FROST.

SHAKE WELL BEFORE USE.

FOR PROFESSIONAL USE ONLY

To avoid risks to human health and the environment comply with the instructions for use.

SHIRLAN is a suspension concentrate containing 500 g/l (38.4% w/w) fluazinam.

Warning

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

Very toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Keep out of reach of children.

Wear protective gloves/ protective clothing.

If exposed or concerned: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

When Dry: combustible

PCS No. 00609

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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

Skin sensitisation	Category 1	H317
Reproductive Toxicity	Category 2	H361d
Acute aquatic toxicity	Category 1	H400
Chronic aquatic toxicity	Category 1	H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn, N, R43: R50/53 R63	Harmful Dangerous to the environment. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.
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2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms	
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Signal Word	Warning
Hazard Statements	H317 H361d H410 May cause an allergic skin reaction. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.
Precautions Statements	P102 P202 P280 P308/P313 P333/P313 P302/P352 Keep out of reach of children Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed for as non-hazardous waste.
Supplemental Information	EUH401 To avoid risks to human health and the environment comply with the instructions for use. When dry: combustible

Hazardous components which must be listed on the label:

- fluazinam

Labelling: EU Directives 67/548/EEC or 1999/45/EC

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Symbol(s)	
R-pharse(s)	R43 R50/53 R63 May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.
S-pharse(s)	S2 S13 S20/21 S35 S36/37/39 S57 Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. This material and its container must be disposed of in a safe way. Wear suitable protective clothing, gloves and eye/face protection. Use appropriate containment to avoid environmental contamination.
Special labelling of certain mixtures	To avoid risks to man and the environment, comply with instructions for use.

Hazardous components which must be listed on the label:

- fluazinam

2.3 Other hazards

None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Component(s)

Chemical Name	CAS No. EC No. Registration Number	Classification (67/548/EEC)	Classification (REGULATION (EC) No. 1272/2008)	Concentration
fluazinam	79622-59-6	Xn, N R20 R41 R43 R50/53 R63	Skin Sens.1A; H317 Eye Dam.1; H318 Acute Tox.4; H332 Repr.2; H361d Aquatic Acute1; H400 Aquatic Chronic1; H410	38.8 % w/w
poly(oxy-1,2-eth anediyl), alpha-sulfo-omeg a-[tris(1-phenyle thyl)phenoxy]-, ammonium salt	119432-41-6 137672-70-9	R52/53	Aquatic Chronic3; H412	1 - 5 % w/w

Substances for which there are Community workplace exposure limits

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-statements mentioned in this Section, see Section 16.

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SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures

General Advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

Inhalation: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Medical advice: There is no specific antidote available. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Alcohol-resistant foam or Water spray.

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters

Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent mate- rial, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8

Refer to disposal considerations listed in section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

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