

# Safety Data Sheet

## Roundup Tree Stump Killer

### 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1. Product identifier**

**Roundup Stump® Killer**

**1.1.1. Chemical name**

Not applicable for a mixture.

**1.1.2. Synonyms**

None.

**1.1.3. CLP Annex VI Index No.**

Not applicable.

**1.1.4. C&L ID No.**

Not available.

**1.1.5. EC No.**

Not applicable for a mixture.

**1.1.6. REACH Reg. No.**

Not applicable for a mixture.

**1.1.7. CAS No.**

Not applicable for a mixture.

**1.2. Product use**

Herbicide

**1.3. Company(Head office)**

Evergreen Garden Care UK Ltd  
1, Archipelago, Lyon Way,  
Frimley, Surrey, GU16 7ER

[INFO-SDS@evergreengarden.com](mailto:INFO-SDS@evergreengarden.com)

**1.4. 24 hr Emergency telephone number**

+44 (0) 1865 407333

**Non-emergency calls:**

+44 (0) 1276 401 300

### 2. HAZARDS IDENTIFICATION

**2.1. Classification**

**2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]: U.K.**

Not classified as dangerous.

Hxxx

Not applicable.

**2.2. Label elements: U.K.**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

**Hazard pictogram/pictograms: U.K.**

Not applicable.

**Signal word: U.K.**

Not applicable.

**Hazard statement/statements: U.K.**

Hxxx Not applicable.

**Precautionary statement/statements: U.K.**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P234 Keep only in original container  
P401 Store product away from food and drink  
P501 Dispose of contents/container to a household waste recycling centre as hazardous waste except for empty containers which can be disposed of by recycling. Contact your local council for details.

**Supplemental hazard information: U.K.**

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

**2.3. Other hazards**

0% of the mixture consists of ingredient/ingredients of unknown acute toxicity.

0% of the mixture consists of ingredient/ingredients of unknown hazards to the aquatic environment.

**2.3.1. Potential environmental effects**

Not expected to produce significant adverse effects when recommended use instructions are followed.

**2.4. Appearance and odour (colour/form/odour)**

Brown /Liquid / Amino odour

Refer to section 11 for toxicological and section 12 for environmental information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:** Not applicable.

**3.2 Mixture:** Yes.

**Composition/information on ingredients**

Components	CAS No.	EC No.	EU Index No. / REACH Reg. No. / C&L ID No.	Concentration	Classification
Potassium salt of glyphosate	70901-12-1	933-437-9	015-184-00-8 / - / 02-2119694167-27- 0000	35,00 %	Aquatic Chronic - Category 2; H411; {c}
Alkylpolyglycoside	68515-73-1	500-220-1	- / 01-2119488530-36 / -	<20,00 %	Eye damage/irritation - Category 1; H318; {d}
Nitrotyl	226563-63-9		- / - / -	<3,00 %	Acute toxicity - Category 4, Skin corrosion/irritation - Category 2, Eye damage/irritation - Category 1, Aquatic Chronic - Category 3; H302+332, 315, 318, 412
Water and minor formulating ingredients			- / - / -	>42,00 %	Not classified as dangerous;

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**Active ingredient**

Potassium salt of N-(phosphonomethyl)glycine; {Potassium salt of glyphosate}

Full text of classification code: See section 16.

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**4. FIRST AID MEASURES**

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Use personal protection recommended in section 8.

**4.1. Description of first aid measures**

**4.1.1. Eye contact**

Immediately flush with plenty of water. If easy to do, remove contact lenses. If there are persistent symptoms, obtain medical advice.

**4.1.2. Skin contact**

Take off contaminated clothing, wristwatch, jewellery. Wash affected skin with plenty of water. Wash clothes and clean shoes before re-use.

**4.1.3. Inhalation**

Remove to fresh air.

**4.1.4. Ingestion**

Immediately offer water to drink. Do NOT induce vomiting unless directed by medical personnel. If symptoms occur, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

**4.2.1. Potential health effects**

**Likely routes of exposure:** Skin contact, eye contact

**Eye contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Skin contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Inhalation, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**4.3. Indication of any immediate medical attention and special treatment needed**

**4.3.1. Advice to doctors**

This product is not an inhibitor of cholinesterase.

**4.3.2. Antidote**

Treatment with atropine and oximes is not indicated.

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**5. FIRE-FIGHTING MEASURES**

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**5.1. Extinguishing media**

**5.1.1. Recommended:** Water, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**5.2. Special hazards**

**5.2.1. Unusual fire and explosion hazards**

Minimise use of water to prevent environmental contamination. Environmental precautions: see section 6.

**5.2.2. Hazardous products of combustion**

Carbon monoxide (CO), Phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), Nitrogen oxides (NO<sub>x</sub>)

**5.3. Advice for firefighters**

Self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

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- 5.4. Flash point**  
Does not flash.

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## **6. ACCIDENTAL RELEASE MEASURES**

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Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

- 6.1. Personal precautions**  
Use personal protection recommended in section 8.
- 6.2. Environmental precautions**  
SMALL QUANTITIES: Low environmental hazard. LARGE QUANTITIES: Minimise spread. Keep out of drains, sewers, ditches and water ways. Notify authorities.
- 6.3. Methods for cleaning up**  
SMALL QUANTITIES: Flush spill area with water. LARGE QUANTITIES: Absorb in earth, sand or absorbent material. Dig up heavily contaminated soil. Collect in containers for disposal. Refer to section 7 for types of containers. Flush residues with small quantities of water. Minimise use of water to prevent environmental contamination.

Refer to section 13 for disposal of spilled material.

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## **7. HANDLING AND STORAGE**

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- 7.1. Precautions for safe handling**  
Good industrial practice in housekeeping and personal hygiene should be followed. Avoid contact with eyes. When using do not eat, drink or smoke. Wash hands thoroughly after handling or contact. Do not contaminate drains, sewers and water ways when disposing of equipment rinse water. Emptied containers retain vapour and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
- 7.2. Conditions for safe storage, including any incompatibilities**  
**Compatible materials for storage:** stainless steel, fibreglass, plastic, glass lining  
**Incompatible materials for storage:** galvanised steel, unlined mild steel  
Minimum storage temperature: -15 °C  
Maximum storage temperature: 50 °C  
Keep out of reach of children. Keep away from food, drink and animal feed. Keep only in the original container. Partial crystallization may occur on prolonged storage below the minimum storage temperature. If frozen, place in warm room and shake frequently to put back into solution. This formulation can be stored for 2 to 3 weeks at temperatures colder than -20°C without impact. If the temperature remains below -20°C for longer the water phase of the formulation may freeze. Should this occur allow the product to warm and it will return to its original homogeneous state. We recommend that customers follow the typical use instructions which state that the container should be agitated (shaken) prior to pouring. Minimum shelf life: 2 years.
- 7.3. Specific end use(s)**  
Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### Airborne exposure limits

Components	Exposure Guidelines
Potassium salt of glyphosate	No specific occupational exposure limit has been established.
Alkylpolyglycoside	No specific occupational exposure limit has been established.
Nitrotyl	No specific occupational exposure limit has been established.
Water and minor formulating ingredients	No specific occupational exposure limit has been established.

### 8.2. Exposure controls

#### Engineering controls

No special requirement when used as recommended.

#### Eye protection:

If there is significant potential for contact: Wear chemical goggles.

#### Skin protection:

If repeated or prolonged contact: Wear chemical resistant gloves.

#### Respiratory protection:

No special requirement when used as recommended.

When recommended, consult manufacturer of personal protective equipment for the appropriate type of equipment for a given application.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

### 9.1 Information on basic physical and chemical properties

Colour/colour range:	Brown
Form:	Liquid
Odour:	Amino odour
Odour threshold:	No data.
Physical form changes (melting, boiling, etc.):	
Melting point:	Not applicable.
Boiling point:	No data.
Flash point:	Does not flash.
Explosive properties:	No explosive properties
Auto ignition temperature:	> 600 °C
Self-accelerating decomposition temperature (SADT):	No data.
Oxidizing properties:	No data.

Specific gravity:	1,2647 @ 20 °C / 4 °C
Vapour pressure:	No significant volatility; aqueous solution.
Vapour density:	Not applicable.
Dynamic viscosity:	12,4 mPa·s @ 20 °C
Kinematic viscosity:	9,82 cSt @ 20 °C
Density:	1,2647 g/cm <sup>3</sup> @ 20 °C
Solubility:	Water: Completely miscible.
pH:	4,1
Partition coefficient:	log Pow: -3,2 @ 25 °C (Glyphosate)

## 9.2 Other information

Evaporation rate:	No data.
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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

### 10.2. Chemical stability

Stable under normal conditions of handling and storage.

### 10.3. Possibility of hazardous reactions

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

### 10.4. Conditions to avoid

None

### 10.5. Incompatible materials

Incompatible materials for storage: galvanised steel, unlined mild steel  
Compatible materials for storage: see section 7.2.

### 10.6. Hazardous decomposition products

Hazardous products of combustion: see section 5.

## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and other health professionals.

### 11.1. Information on toxicological effects

**Acute oral toxicity:** Based on available data classification criteria are not met.

**Acute dermal toxicity:** Based on available data classification criteria are not met.

**Acute inhalation toxicity:** Based on available data classification criteria are not met.

**Skin corrosion/irritation:** Based on available data classification criteria are not met.

**Eye corrosion/irritation:** Based on available data classification criteria are not met.

**Skinsensitization:** Based on available data classification criteria are not met.

**Respiratory sensitization:** Based on available data classification criteria are not met.

**Mutagenicity:** Based on available data classification criteria are not met.

**Carcinogenicity:** Based on available data classification criteria are not met.

**Reproductive/Developmental Toxicity:** Based on available data classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure:** Based on available data classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure:** Based on available data classification criteria are not met.

**Aspiration hazard:** Based on available data classification criteria are not met.

**Most important symptoms and effects, both acute and delayed**

**Potential health effects**

**Likely routes of exposure:** Skin contact, eye contact

**Eye contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Skin contact, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

**Inhalation, short term:** Not expected to produce significant adverse effects when recommended use instructions are followed.

Data obtained on more concentrated products and on components are summarized below.

#### More concentrated formulation

##### Acute oral toxicity

**Rat, LD50:** > 2.000 mg/kg body weight  
No mortality.

##### Acute dermal toxicity

**Rat, LD50:** > 2.000 mg/kg body weight  
No mortality.

##### Skin irritation

**Rabbit, 3 animals, OECD 404 test:**

Redness, individual EU scores: 0,3; 0,0; 0,0

Swelling, individual EU scores: 0,0; 0,0; 0,0

Days to heal: 5

Essentially non irritating.

##### Eye irritation

**Rabbit, 3 animals, OECD 405 test:**

Conjunctival redness, individual EU scores: 0,7; 1,0; 0,7

Conjunctival swelling, individual EU scores: 1,0; 1,0; 0,7

Corneal opacity, individual EU scores: 0,0; 0,0; 0,0

Iris lesions, individual EU scores: 0,0; 0,0; 0,0

Days to heal: 3

Slightly irritating to eyes but not sufficient for classification.

Slight irritation.

##### Skin sensitization

**Guinea pig, 9-induction Buehler test:**

Negative.

No skin sensitization

#### N-(phosphonomethyl)glycine: {glyphosate acid}

##### Genotoxicity

Not genotoxic.

##### Carcinogenicity

Not carcinogenic in rats or mice.

#### Reproductive/Developmental Toxicity

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Developmental effects in rats and rabbits only in the presence of significant maternal toxicity.  
Reproductive effects in rats only in the presence of significant maternal toxicity.

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## 12. ECOLOGICAL INFORMATION

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This section is intended for use by ecotoxicologists and other environmental specialists.

- 12.1 Toxicity**  
No data.
- 12.2 Persistence and degradability**  
No data.
- 12.3 Bioaccumulative potential**  
Refer to section 9 for partition coefficient data.
- 12.4 Mobility in soil**  
No data.
- 12.5 Results of PBT and vPvB assessment**  
Not a persistent, bioaccumulative or toxic (PBT) nor a very persistent, very bioaccumulative (vPvB) mixture.
- 12.6 Other adverse effects**  
Not expected to produce significant adverse effects when recommended use instructions are followed.
- 12.7 Additional information**  
If available, data obtained on similar products and/or on components are summarized below.

### More concentrated formulation

#### Aquatic toxicity, fish

##### **Rainbow trout (*Oncorhynchus mykiss*):**

Acute toxicity, 96 hours, static, LC50: > 1.039 mg/L

#### Aquatic toxicity, invertebrates

##### **Water flea (*Daphnia magna*):**

Acute toxicity, 48 hours, static, EC50: 243 mg/L

### More concentrated formulation

#### Aquatic toxicity, algae/aquatic plants

##### **Green algae (*Selenastrum capricornutum*):**

Acute toxicity, 72 hours, static, ErC50 (growth rate): 118 mg/L

##### **Duckweed (*Lemna gibba*):**

Acute toxicity, 7 days, static, ErC50 (frond number): 74,3 mg/L

##### **Duckweed (*Lemna gibba*):**

Acute toxicity, 7 days, static, NOEC (growth rate): 19,1 mg/L

#### Arthropod toxicity

##### **Honey bee (*Apis mellifera*):**

Contact, 48 hours, LD50: > 279 µg/bee

**Honey bee (*Apis mellifera*):**

Oral, 48 hours, LD50: > 282 µg/bee

**Soil organism toxicity, invertebrates**

**Earthworm (*Eisenia foetida*):**

Acute toxicity, 14 days, LC50: > 10.000 mg/kg dry soil

**Soil organism toxicity, microorganisms**

**Nitrogen and carbon transformation test:**

27 L/ha, 28 days: Less than 25% effect on nitrogen or carbon transformation processes in soil.

**N-(phosphonomethyl)glycine: {glyphosate acid}**

**Avian toxicity**

**Bobwhite quail (*Colinus virginianus*):**

Acute oral toxicity, single dose, LD50: > 3.851 mg/kg body weight

**Bioaccumulation**

**Bluegill sunfish (*Lepomis macrochirus*):**

Whole fish: BCF: < 1

No significant bioaccumulation is expected.

**Dissipation**

**Soil, field:**

Half life: 2 - 174 days

Koc: 884 - 60.000 L/kg

Absorbs strongly to soil.

**Water, aerobic:**

Half life: < 7 days

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## 13. DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

#### 13.1.1. Product

Follow all local/regional/national/international regulations on waste disposal. Follow current edition of the General Waste, Landfill, and Burning of Hazardous Waste Directives; and the Shipment of Waste Regulation. According to the manufacturer self-classification, following Regulation (EC) No. 1272/2008 [CLP], the product can be disposed as a non-hazardous industrial waste. Disposal in an industrial waste incinerator with energy recovery is recommended. Keep out of drains, sewers, ditches and water ways.

#### 13.1.2. Container

Follow all local/regional/national/international regulations on waste disposal, packaging waste collection/disposal. Follow current edition of the General Waste, Landfill, and Burning of Hazardous Waste Directives; and the Shipment of Waste Regulation. Do NOT re-use containers. Triple or pressure rinse empty containers. Pour rinse water into spray tank. Properly rinsed container can be disposed as a non-hazardous industrial waste. Store for collection by approved waste disposal service. Recycle if appropriate facilities/equipment available. Recycle the non-hazardous container only when a proper control on the end use of the recycled plastic is possible. Suitable for industrial grade recycling only. Do NOT recycle plastic that could end in any human or food contact application. This package meets the requirements for energy recovery. Disposal in an incinerator with energy recovery is recommended.

Use handling recommendations in Section 7 and personal protection recommendations in Section 8.

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## 14. TRANSPORT INFORMATION

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The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

### ADR/RID

- 14.1 UN No.: Not applicable.
- 14.2 **Proper Shipping Name (Technical Name if required): Not regulated for transport under ADR/RID Regulations.**
- 14.3 **Transport hazard class: Not applicable.**
- 14.4 **Packing Group:** Not applicable.
- 14.5 **Environmental hazards: Not applicable.**
- 14.6 **Special precautions for the user:** Not applicable.

### IMO

- 14.1 UN No.: Not applicable.
- 14.2 **Proper Shipping Name (Technical Name if required): Not regulated for transport under IMO Regulations**
- 14.3 **Transport hazard class: Not applicable.**
- 14.4 **Packing Group:** Not applicable.
- 14.5 **Environmental hazards: Not applicable.**
- 14.6 **Special precautions for the user:** Not applicable.
- 14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

### IATA/ICAO

- 14.1 UN No.: Not applicable.
- 14.2 **Proper Shipping Name (Technical Name if required): Not regulated for transport under IATA/ICAO Regulations**
- 14.3 **Transport hazard class: Not applicable.**
- 14.4 **Packing Group:** Not applicable.
- 14.5 **Environmental hazards: Not applicable.**
- 14.6 **Special precautions for the user:** Not applicable.

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## 15. REGULATORY INFORMATION

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- 15.1. **Safety, health and environmental regulations/legislation specific for the substance/mixture**  
SP1 Do not contaminate water with the product or its container.
- 15.2. **Chemical Safety Assessment**  
A Chemical Safety Assessment per Regulation (EC) No. 1907/2006 is not required and has not been performed.  
A Risk Assessment has been performed under Regulation EC 1107/2009.

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## 16. OTHER INFORMATION

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The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

Follow all local/regional/national/international regulations.

Please consult supplier if further information is needed.

In this document the British spelling was applied.

|| Significant changes versus previous edition.

® Registered trademark.

This Safety Data Sheet has been prepared following the Regulation (EC) No. 1907/2006 (Annex II) as last amended by Regulation (EC) No. 2015/830

Data provided in this Safety Data Sheet are for the product as supplied unless otherwise indicated.

**Classification of components**

Components	Classification
Potassium salt of glyphosate	Aquatic Chronic - Category 2 H411 Toxic to aquatic life with long lasting effects.
Alkylpolyglycoside	Eye damage/irritation - Category 1 H318 Causes serious eye damage.
Nitrotyl	Acute toxicity - Category 4 Skin corrosion/irritation - Category 2 Eye damage/irritation - Category 1 Aquatic Chronic - Category 3 H302+332 Harmful if swallowed or if inhaled H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
Water and minor formulating ingredients	Not classified as dangerous.

**Endnotes:**

- {a} EU label (manufacturer self-classification)
- {b} EU label (Annex I)
- {c} EU CLP classification (Annex VI)
- {d} EU CLP (manufacturer self-classification)

Full denomination of most frequently used acronyms. BCF (Bioconcentration Factor), BOD (Biochemical Oxygen Demand), COD (Chemical Oxygen Demand), EC50 (50% effect concentration), ED50 (50% effect dose), I.M. (intramuscular), I.P. (intraperitoneal), I.V. (intravenous), Koc (Soil adsorption coefficient), LC50 (50% lethality concentration), LD50 (50% lethality dose), LDLo (Lower limit of lethal dosage), LEL (Lower Explosion Limit), LOAEC (Lowest Observed Adverse Effect Concentration), LOAEL (Lowest Observed Adverse Effect Level), LOEC (Lowest Observed Effect Concentration), LOEL (Lowest Observed Effect Level), MEL (Maximum Exposure limit), MTD (Maximum Tolerated Dose), NOAEC (No Observed Adverse Effect Concentration), NOAEL (No Observed Adverse Effect Level), NOEC (No Observed Effect Concentration), NOEL (No Observed Effect Level), OEL (Occupational Exposure Limit), PEL (Permissible Exposure Limit), PII (Primary Irritation Index), Pow (Partition coefficient n-octanol/water), S.C. (subcutaneous), STEL (Short-Term Exposure Limit), STOT SE (Specific Target Organ Toxicity, Single Exposure), STOT RE (Specific Target Organ Toxicity, Repeated Exposure), TLV-C (Threshold Limit Value-Ceiling), TLV-TWA (Threshold Limit Value - Time Weighted Average), UEL (Upper Explosion Limit)

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Evergreen Garden Care or any of its subsidiaries makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for the purposes prior to use. In no event will Evergreen Garden Care or any of its subsidiaries be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR TO THE PRODUCT TO WHICH INFORMATION REFERS.

**Safety Data Sheet (SDS) Annex**

**Chemical Safety Report:**

Read and follow label instructions.

End of document