

# Safety Data Sheet (SDS) SME 915EC/01

According to UN GHS 8th Ed

Revision Date: 2021/09/08

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First print date: 2015/10/27

Version: 1.3

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

### Product identifier:

Identification as on the label/Trade name: **SMEETO™ 915 EC**

**Additional information:** Product code SME 915EC/01.

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Herbicide.

**Uses advised against:** Use only as directed

### Details of the distributor of the Safety Data Sheet:

AECI Limited  
14 Field Road, LILANTON

### Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946

Poisons Information Helpline: 0861 555 777

AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

## SECTION 2. HAZARD IDENTIFICATION

### Classification of the substances or mixture

The mixture is classified according to:

| SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP] |                  |
|-------------------------------------------------------|------------------|
| Hazard classes/Hazard categories                      | Hazard statement |
| Skin sensitization (Category 1)                       | H317             |
| Serious eye damage (Category 1)                       | H318             |
| Hazardous to the aquatic environment (Acute 1)        | H400             |
| Hazardous to the aquatic environment (Chronic 1)      | H410             |

*For full text of H statements see section 16*

### The most important adverse effects

**The most important adverse physiochemical effects:** None.

**The most important adverse human health effects:** Causes serious eye damage, may cause an allergic skin reaction.

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## Label elements

### Hazard pictograms:



**Signal Word: Danger**

**Hazard Statements:** H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:** P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P352 IF ON SKIN: Wash with plenty of water. P333+ P313 If a skin irritation occurs or rash: Get medical advice/attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Special labelling of certain mixtures:** None.

**Other hazards:** None

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

### Ingredients:

| Substance name (IUPAC/EC)         | CAS –No.                | Concentration<br>% By weight | Classification                                                                                                                |
|-----------------------------------|-------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                                   | EC-No.                  |                              | EC1272/2008                                                                                                                   |
| S-metolachlor                     | 87392-12-9              | 80-90%                       | Skin sensitizer (Category 1) H317. Aquatic acute 1 H400. Aquatic chronic 1 H410.                                              |
| Benoxacor                         | 98730-04-2<br>619-372-6 | 1-10%                        | Skin sensitization (Category 1) H317. Aquatic acute 1 H400.                                                                   |
| Calcium dodecylbenzene sulphonate | 90194-26-6<br>932-231-6 | 1-10%                        | Skin irritant (Category 2) H315. Serious eye damage (Category 1) H318.                                                        |
| Isobutanol                        | 78-83-1<br>201-148-0    | 1-10%                        | Flammable liquid (Category 3) H226, STOT SE H335+H336. Skin irritant (Category 2) H315. Serious eye damage (Category 1) H318. |
| Tristyrylphenol ethoxylate        | 99734-09-5              | 1-10%                        | Aquatic chronic 3 H412.                                                                                                       |

*For full text of H statements see section 16*

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures:

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**In case of inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**In case of skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs or an allergic reaction.

**In case of eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**In case of ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

### Most important symptoms and effects, both acute and delayed:

**Inhalation:** May cause respiratory irritation, and drowsiness.

**Ingestions:** May be harmful if swallowed.

**Skin contact:** May cause an allergic skin reaction or irritation. Individuals with allergic history or pre-existing dermatitis should take extra care when handling this product.

**Eye contact:** Causes serious eye damage.

### Indication of any immediate medical attention and special treatment needed:

**Notes to physician:** Skin reactions have been treated with antihistamines and ointments containing an anti-inflammatory agent.

## SECTION 5. FIRE -FIGHTING MEASURE

### Extinguisher media:

**Suitable extinguisher media:** Carbon dioxide, dry powder or alcohol resistant foam.

**SMALL FIRE:** Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

**LARGE FIRE:** Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

**Unsuitable extinguishing media:** Do not use high volume water jet, due to contamination risk.

### Special hazards arising from the mixture:

Combustion or thermal decomposition will evolve toxic and irritant vapours. Exposure to decomposition products may be a hazard to health.

### Advice for fire-fighters:

Isolate the fire area and evacuate downwind. Avoid inhaling hazardous vapours, fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent. Dyke fire control water for later disposal. Avoid pollution of waterways. Contain water used for firefighting for later disposal, avoid the accumulation of polluted run-off from the site.

## SECTION 6. ACCIDENTAL RELEASE

### Personal precautions, protective equipment and emergency procedures:

**For non-emergency personnel:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

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**For emergency responders:** Use an approved/certified respirator or equivalent, isolate the spill area and limit the access to emergency responders only. Avoid any contact with spilled material, use adequate protective clothes and gloves.

### Environmental precautions:

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

### Methods for containment and cleaning up:

**For small spills** Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite or diatomaceous earth.

**For large spills** Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

### Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

### Additional information:

None.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Use adequate protective equipment to avoid direct skin contact of product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Do not eat drink or smoke when handling this product.

### Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.

### Specific end uses:

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters:

**Occupational exposure limits (OEL):** No information available.

**Biological exposure indices (BEI):** No information available.

**Additional exposure limits under the conditions of use:** No information available.

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**Exposure control:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective OEL's if applicable. Ensure that eyewash stations and safety showers are proximal to the work-station location

**Appropriate engineering controls:** Provide exhaust ventilation or other engineering controls. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection:** Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

**Body protection:** Appropriate impervious clothing is required to prevent skin contact with the product.

**Respiratory protection:** Respiratory protection such as an approved respirator must be used when there is a potential to exceed the exposure limit requirements or guidelines.

**Environmental exposure controls:** Prevent product from entry into sewers and water courses.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

**Appearance (form):** Liquid.

**Colour:** Clear brown.

**Odour:** Faint odour.

**Odour threshold:** No information available.

**pH (at concentration):** 4.5-5 (as is).

**Melting point/range (°C):** No information available.

**Boiling point/range (°C):** No information available.

**Flash point (°C):** No information available.

**Evaporation rate:** No information available.

**Flammability (solid, gas):** No information available

**Ignition temperature (°C):** No information available.

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**Upper/lower flammability/explosive limits:** No information available.

**Vapour pressure (20°C):** No information available.

**Vapour density:** No information available.

**Density (25°C):** 1.115 g/cm<sup>3</sup>

**Water solubility (g/l) at 20°C:** No information available.

**n-Octanol/Water partition coefficient:** No information available.

**Auto-ignition temperature:** No information available.

**Decomposition temperature:** No information available.

**Viscosity:** No information available.

### Physical hazards:

**Explosive properties:** Not explosive.

**Oxidising properties:** Not an oxidiser.

### Other information:

**Fat solubility (solvent-oil to be specified):** No information available.

**Bulk density:** No information available.

**Dissociation constant in water (p Ka):** No information available.

**Oxidation-reduction potential:** No information available.

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity:

The product is stable under normal conditions. Avoid elevated temperatures.

### Chemical stability:

Stable under normal storage conditions for 2 years.

### Possibility of hazardous reactions:

No information available.

### Conditions to avoid:

No information available.

### Incompatible materials:

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Strong oxidisers.

### **Hazardous decomposition products:**

Carbon monoxide, toxic gases may be released in thermal decomposition.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **Toxicokinetics, metabolism and distribution:**

**Non-human toxicological data:** No Information available.

**Excretion:** In animals S-metolachlor is rapidly and efficiently absorbed, fairly uniformly distributed and rapidly excreted in urine and faeces.

### **Information on toxicological effects:**

#### **Acute toxicity:**

##### **Smeeto 915EC**

Inhalation LC<sub>50</sub> (4 h) for rat >5 mg/ℓ (dust/mists).

##### **S-metolachlor**

Oral: LD<sub>50</sub> for rat 2600 mg/kg.

Dermal LD<sub>50</sub> for rabbit >2000 mg/kg.

Inhalation LC<sub>50</sub> (4 h) for rat >2910 mg/ m<sup>3</sup>.

##### **Benoxacor**

Oral: LD<sub>50</sub> for rat >5000 mg/kg.

Dermal LD<sub>50</sub> for rabbit >2010 mg/kg.

Inhalation LC<sub>50</sub> (4 h) for rat >2.0 mg/ ℓ.

**Chronic toxicity:** No information available.

#### **Skin corrosion/irritation:**

##### **S-metolachlor**

Non-irritant to skin (rabbits). May cause sensitisation by skin contact (guinea pigs).

#### **Eye damage/Irritation**

##### **S-metolachlor**

Non-irritant to eyes (rabbits).

#### **Respiratory or skin sensitization:**

##### **S-metolachlor**

May cause sensitisation by skin contact (guinea pigs).

**Germ cell mutagenicity:** No information available.

**Carcinogenicity:** No information available.

**Reproductive toxicity:** No information available.

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**STOT-single exposure:** No information available.

**STOT-repeated exposure:** No information available.

**Aspiration hazard:** No information available.

### SECTION 12. ECOLOGICAL INFORMATION

#### Toxicity:

##### S-metolachlor

**Birds:** Acute LD<sub>50</sub> for Bobwhite quail and Mallard ducks >2510 mg/kg. Dietary LC<sub>50</sub> (8 d) for Bobwhite quail and Mallard ducks >5620 ppm.

**Fish:** LC<sub>50</sub> (96 h) for Rainbow trout 1.23 mg/ℓ, Bluegill sunfish 3.16 mg/ℓ.

**Daphnia:** LC<sub>50</sub> (48 h) 11.24-26.00 mg/ℓ.

**Algae:** EdC<sub>50</sub> (120 h) for *Selenastrum capricornutum* 0.008 mg/ℓ and *Selenastrum costatum* 0.11 mg/ℓ.

**Other aquatic species:** LD<sub>50</sub> (96 h) *Mysidopsis bahia* and Mysid shrimp 1.4 mg/ℓ. EdC<sub>50</sub> (14 d) for *Lemna gibba* 0.023 mg/ℓ.

**Bees:** LD<sub>50</sub> (oral) >0.085 mg/bee; (contact) >0.2 mg/bee.

**Worms** LC<sub>50</sub> (14 d) for earthworms 570 mg/kg soil.

#### Persistence and degradability:

No information available.

#### Bioaccumulative potential:

No information available.

#### Mobility in soil

##### S-metolachlor

Major aerobic metabolites are derivatives of oxanilic and sulfonic acids.

#### Results of PBT& vPvB assessment:

No information available.

#### Other adverse effects:

No information available.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

#### Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.



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## SECTION 14. TRANSPORT INFORMATION

|                                                                       | Land transport (ADR/RID)                                            | Sea transport (IMDG)                                                | Air transport (ICAO/IATA)                                           |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| UN-Number                                                             | 3082                                                                | 3082                                                                | 3082                                                                |
| UN Proper shipping name:                                              | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-metolachlor) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-metolachlor) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-metolachlor) |
| Transport hazard class:                                               | 9                                                                   | 9                                                                   | 9                                                                   |
| Packaging group:                                                      | III                                                                 | III                                                                 | III                                                                 |
| Marine pollutant:                                                     | Yes                                                                 | Yes                                                                 | Yes                                                                 |
| Special precautions for user:                                         | None                                                                | None                                                                | None                                                                |
| Transport in bulk according to MARPOL 73/78 Annex II and the IBC code | No                                                                  | No                                                                  | No                                                                  |

**Inland waterways:** Not required.

**Emergency response information:** No information available.

## SECTION 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation for the mixture:**

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

**ACGIH:** American Conference of Governmental Industrial Hygienists (ACGIH)

**Relevant information regarding restrictions:** None.

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

**Other National regulations:** National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

**Chemical Safety Assessment carried out?** No

## SECTION 16. OTHER INFORMATION

**Indication of changes:**

All sections.

**Relevant classification and H statements (number and full text):**

Aquatic acute 1- Hazardous to the aquatic environment (Acute 1)

Aquatic chronic 1-Hazardous to the aquatic environment (Chronic 1)

Aquatic chronic 3-Hazardous to the aquatic environment (Chronic 3)

STOT SE 3- Specific target organ toxicity single exposure (Category 3)

H317 May cause an allergic skin reaction. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. 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.

**Training instructions:**

Use as indicated on the label, special training may be required for application.

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### **Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### **Notice to readers:**

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.