

# MATERIAL SAFETY DATA SHEET

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Revised edition no : 5

Date : 25 / 6 / 2014

Supersedes : 4 / 3 / 2012

## ACETOGAN PLUS 768 EC

H-0096-00192

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**Trade name** : ACETOGAN PLUS 768 EC  
**Substance name** : 2-chloro-N-ethoxymethyl-6'-ethylaceto-o-toluidide  
**Company identification** : ADAMA SOUTH AFRICA (PTY) LTD  
21 Viben Street  
Brackenfell 7560  
**Email** : msds@mcw.co.il  
**Emergency phone nr** : +27 82 331 6463  
+27 21 982 1460

### SECTION 2. Hazards identification

**Human health hazards** : Harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Harmful : may cause lung damage if swallowed.  
**Environmental hazard** : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SECTION 3. Composition/information on ingredients

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Acetochlor	: 68 - 72 %	34256-82-1	251-899-3	616-037-00-6	----	Xn; R20 Xi; R37/38 R43 N; R50-53
CaDBS/2-ethylhexanol	: 1.5 - 2.5 %	----	----	----	----	Xi; R38-41
Solvent Naphtha (petroleum) heavy aroma	: < 10 %	64742-94-5	265-198-5	----	----	Xn; R65

### SECTION 4. First aid measures

**First aid measures** : Remove victim from area of exposure. Wash off remaining material with plenty of water .  
**Inhalation** : Remove victim to fresh air. If breathing is difficult: artificial respiration .  
Get medical attention .  
**Skin contact** : Remove contaminated clothing . Wash away remainder with water and soap .  
**Eye contact** : Wash out with water with the eyelid held wide open for at least 15 minutes.  
Get medical attention .  
**Ingestion** : Wash out mouth with plenty of water. Get medical attention . Never give anything by mouth to an unconscious person.  
**Note to physician** : There is no specific antidote. Treat symptomatically and give supportive therapy.  
**Protection of first-aiders** : Use appropriate protection (see section 8).

### SECTION 5. Fire-fighting measures

**Suitable extinguishing media** : Dry chemical , water spray , foam , carbon dioxide , halogenated compounds .  
**Specific hazards** : Flashback may occur along vapour trail.  
**Protection against fire** : Self-contained breathing apparatus and total protection required in enclosed areas.  
**Hazardous decomposition products** : Carbon oxides (CO, CO<sub>2</sub>) chloride compounds and nitrogen oxides .

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### SECTION 6. Accidental release measures

- For emergency responders** : Use appropriate protection (see section 8).  
Wear suitable protective clothing .
- Environmental precautions** : Do not discharge into the environment.
- Clean up methods** : Keep away from : open flame , sparks and heat . Absorb remainder in sand or other inert material.  
Dispose of this material and its container at hazardous or special waste collection point.

### SECTION 7. Handling and storage

- Handling** : Avoid contact with skin and eyes. Ventilation required.  
Keep away from : sparks , open flame and direct sunlight .
- Storage** : Keep only in the original container . Keep in a cool, dry, well ventilated place away from direct sunlight .

### SECTION 8. Exposure controls/personal protection

- TLV® -TWA [ppm]** : Solvent naphtha (petroleum), light arom. : (USA) 100  
**Acetochlor** : Not established
- : Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower . Ventilation required.  
When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
- Personal protection**
- **Respiratory protection** : Respiratory protection is not required if good ventilation is maintained
  - **Hand protection** : Chemical resistant gloves .
  - **Skin protection** : Wear suitable protective clothing and chemical resistant boots .
  - **Eye protection** : Chemical goggles or face shield.

### SECTION 9. Physical and chemical properties

- Physical state at 20 °C** : Liquid
- Colour** : Dark amber to purple
- Odour** : Aromatic
- pH value** : 6 - 7
- Flash point [°C]** : 88
- Flammability** : May burn in the presence of open flames.
- Density [g/ml]** : 1.1 ± 0.01 (20°C )
- Solubility in water** : Emulsifiable
- Log P octanol / water at 20°C** : 4.14 (Acetochlor)
- Explosive Properties** : Not explosive
- Oxidising properties** : Not oxidizing

### SECTION 10. Stability and reactivity

- Stability** : Stable under normal conditions.
- Hazardous decomposition products** : Chloride compounds , carbon oxides (CO, CO2) and nitrogen oxides .
- Hazardous polymerization** : Will not occur.
- Materials to avoid** : Oxidizing agents .

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### SECTION 11. Toxicological information

**On product**

- Rat oral LD50 [mg/kg] : 1942 ( male )  
1098 ( female )
- LD50 Rabbit dermal [mg/kg] : > 2000
- Rat inhalation LC50 [mg/l/4h] : > 2.10 mg/l (maximum attainable concentration)
- Dermal irritation (rabbit) : Moderate
- Eyes irritation (rabbit) : Moderate
- Sensitization : Sensitizer
- Mutagenicity : Acetochlor : Not mutagenic
- Carcinogenicity : Acetochlor : EPA - Group B2  
EU : Not classified
- Toxic for reproduction : Fertility : Acetochlor : Not considered to be toxic for the reproductive system.
- Toxic for reproduction : Acetochlor: Not teratogenic in animal experiments

### SECTION 12. Ecological information

**On product**

- 96 H-LC50 - Rainbow trout [mg/l] : 0.983
- 48 H-EC50 - Daphnia magna [mg/l] : 12.5
- Birds LC50 [mg/kg] : Bobwhite quail 646
- Bees LC50 [µg/Bee] : Not toxic to bees
- Persistence - degradability : Soil : ( Active ingredient ) :  
Moderately persistent in soil  
Half-life time 8 - 18 day(s) . Readily absorbed on soil  
Water ( Active ingredient ) :  
Half-life time : (t1/2) 20 day(s) ( 20°C ) ( aerobic )
- Mobility : Soil ( Active ingredient ) :  
Moderately mobile .
- Bioaccumulative potential : Bioconcentration factor (BCF) : 100-3000 ( LogKow = 3-5). Rapid depuration after end of exposure.

### SECTION 13. Disposal considerations

- General : Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. In accordance with national and regional regulations .

### SECTION 14. Transport information

- UN N° : 3082
- IMO-IMDG - class or division : 9
- IMDG-Marine pollution : Marine pollutant - Polluant marin
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- IMO-IMDG - Packing group : III

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### SECTION 15. Regulatory information

**EU Classification** : According to Commission Directive 67/548/EEC, 1999/45/EC and its amendments

**Symbol(s)**



**R Phrase(s)**

Xn: Xn : Harmful.  
 N: N : Dangerous for the environment.  
 R22 - Harmful if swallowed.  
 R36/37/38 - Irritating to eyes, respiratory system and skin.  
 R43 - May cause sensitization by skin contact.  
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 - Harmful : may cause lung damage if swallowed.

**S Phrase(s)**

S02 - Keep out of the reach of children.  
 S13 - Keep away from food, drink and animal feedingstuffs.  
 S20/21 - When using, do not eat, drink or smoke.  
 S23D - Do not breathe spray.  
 S28 - After contact with skin, wash immediately with plenty of water.  
 S35 - This material and its container must be disposed of in a safe way.  
 S36/37 - Wear suitable protective clothing and gloves.  
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).  
 S57 - Use appropriate container to avoid environmental contamination.  
 S60 - This material and its container must be disposed of as hazardous waste.  
 S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

### SECTION 16. Other information

**List of relevant R phrases (heading 3)** : R20 - Harmful by inhalation.  
 R37/38 - Irritating to respiratory system and skin.  
 R38 - Irritating to skin.  
 R41 - Risk of serious damage to eyes.  
 R43 - May cause sensitization by skin contact.  
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 - Harmful : may cause lung damage if swallowed.

**Print date** : 25 / 6 / 2014

**Further information** : None.

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