

	MATERIAL SAFETY DATA SHEET	Page : 1 of 4
		Revised edition no : 2
		Date : 24 / 9 / 2008
		Supersedes : 1 / 4 / 2008
ACETOCHLOR 768 EC		H-0096

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : ACETOCHLOR 768 EC
 Chemical description : 2-chloro-N-ethoxymethyl-6'-ethylaceto-o-toluidide
 Company identification : Agan Chemical Manufacturers P.O.B. 262 Ashdod Israel
 Emergency phone nr : +972-8-8515211
 Email : MSDS@ma-industries.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation	Value(s)	CAS No	EC No	Index No	Classification
Substance name Acetochlor	68 - 72 %	34256-82-1	251-899-3	616-037-00-6	Xn; R20 Xi; R37/38 R43 N; R50-53
Solvent naphta light aromatic (low boiling point)	< 10 %	64742-95-6	265-199-0	649-358-00-4	Xn; R65

3. 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.

4. FIRST AID MEASURES

First aid : 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 .
 Ingestion : Wash out mouth with plenty of water. Get medical attention . Never give anything by mouth to an unconscious person.
 Skin contact : Remove contaminated clothing . Wash away remainder with water and soap .
 Eye contact : for at least 15 minutes.
 Wash out with water with the eyelid held wide open
 Get medical attention .
 Note to physician : There is no specific antidote. Treat symptomatically and give supportive therapy.
 Protection of first-aiders : Use appropriate protection (see section 8).

5. FIRE-FIGHTING MEASURES

Extinguishing media : Dry chemical , water spray , foam , carbon dioxide , halogenated compounds .
 Special exposure hazards : Flashback may occur along vapour trail.
 Hazardous decomposition products : Carbon oxides (CO, CO2) chloride compounds and nitrogen oxides .
 Protection of fire-fighters : Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use appropriate protection (see section 8).
 Wear suitable protective clothing .
 Environmental precautions : Do not discharge into the environment.

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6. ACCIDENTAL RELEASE MEASURES (continued)

After spillage and/or leakage : 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.

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 .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial hygiene : 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
- Skin protection : Wear suitable protective clothing and chemical resistant boots .
- Hand protection : Chemical resistant gloves .
- Eye protection : Chemical goggles or face shield.

Occupational Exposure Limits : Acetochlor : Not established

TLV-TWA [ppm] : Solvent naphtha (petroleum), light arom. : (USA) 100

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Colour : Dark amber to purple

Odour : Aromatic

pH value : 6 - 7

Density [g/ml] : 1.1 ± 0.01 (20°C)

Solubility in water : Emulsifiable

Flash point [°C] : 88

Log P octanol / water : 4.14 (Acetochlor)

Flammability : May burn in the presence of open flames.

Explosion properties : Not explosive

Oxidation properties : Not oxidizing

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.

Hazardous decomposition products : Chloride compounds , carbon oxides (CO, CO2) and nitrogen oxides .

Hazardous reactions : None.

Hazardous Polymerization : Will not occur.

Materials to avoid : Oxidizing agents .

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11. TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : 1942 (male)
 1098 (female)
Rabbit dermal LD50 [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 (guinea-pig).
Chronic toxicity : **Acetochlor:**
 : NOEL (rat) : 11 mg/kg / day (2 years.)
Carcinogenicity : Acetochlor : EPA - Group B2
 EU : Not classified
 IARC : Not classified
Mutagenicity : Acetochlor : Not mutagenic.
Reproductive toxicity : Acetochlor : NOEL (rat) = 500 ppm
Teratogenicity : Acetochlor : NOEL (rat) = 200 mg/kg/day (Fetal)
 NOEL (rabbit) = 500 mg/kg/day (Fetal)

12. ECOLOGICAL INFORMATION

96 H-LC50 - Bluegill sunfish [mg/l] : 1.3
96 H-LC50 - Rainbow trout [mg/l] : 0.983
48 Hour-EC50 - Daphnia magna [mg/l] : 12.5
Birds LC50 [mg/kg] : 646 (Bobwhite quail , M & F)
Bees LD50 [µg/bee] : > 100 - Contact
 > 106 - Oral
Persistence and degradability : Soil (active ingredient) :
 Moderately persistent in soil
 Half-life time 8 - 18 day(s) . Readily absorbed on soil
 Degradation is primarily via : microorganisms
 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.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

- UN No. : 3082
- Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, 68-72 % Acetochlor
- Packing group : III
- Class : 9
- H.I. nr : : 90
- IMDG-Marine pollution : No

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15. REGULATORY INFORMATION

EU Classification : According to Commission Directive 67/548/EEC and its amendments
Symbol(s)



R Phrase(s) : Xn: Harmful.
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.

16. OTHER INFORMATION

Text of R-phrases in heading 2 : R20 - Harmful by inhalation.
R37/38 - Irritating to 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.

Further information : None.
Print date : 24 / 9 / 2008

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