



SAFETY DATA SHEET

ADM.00700.H.1.A

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Version 1

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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

ADM.00700.H.1.A

Synonyms	Atranex 50 SC
Pure substance/mixture	Mixture
Formula	SC

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Herbicide
Uses advised against	No information available

Details of the supplier of the safety data sheet

Supplier Address	ADAMA Agan Ltd P.O.B. 262 ASHDOD Israel
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For further information, please contact

Email address	SDS@ADAMA.COM
Emergency Telephone	

Emergency Telephone	ADAMA Makhteshim: + 972 8 6560800/801 ; + 972 8 6296713/714 ADAMA Agan : + 972 8 8515341
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Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute toxicity - Oral	Category 3 - (H303)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

Label Elements

Hazard pictograms



Signal word

Warning

Hazard Statements

H303 - May be harmful if swallowed
 H317 - May cause an allergic skin reaction
 H373 - May cause damage to organs through prolonged or repeated exposure
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements

P102 - Keep out of reach of children
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P270 - Do not eat, drink or smoke when using this product
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 P501 - Dispose of contents/ container to an approved waste disposal plant

Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	Weight-%	CAS No	EC No	GHS Classification	M-Factor
Atrazine	42-48	1912-24-9	217-617-8	Skin Sens. 1 (H317) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	

Section 4: FIRST AID MEASURES

First aid measures

General advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.

Inhalation

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Ingestion

Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

Self-protection of the first aider

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Special hazards arising from the substance or mixture

No specific hazard known.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus
In the event of fire and/or explosion do not breathe fumes.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

Other Information

See also section 8,13

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.

Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Atrazine 1912-24-9			TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³ Ceiling / Peak: 16 mg/m ³
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Atrazine 1912-24-9		TWA: 5 mg/m ³		TWA: 10 mg/m ³ STEL: 20 mg/m ³	TWA: 2 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Atrazine 1912-24-9	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³

Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand Protection

Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Body Protection

Suitable protective clothing.

Respiratory protection

Use only with adequate ventilation.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Property	Values	Method	Remarks
Appearance			
Physical state	: Liquid		
Color	: white		
Odor	: Weak, none characteristic		
Odor threshold	: No data available		
pH	: 5 - 9		
Melting point/freezing point °C	: ----		Not Applicable
Boiling point/boiling range °C	: ----		No data available

Flash point °C	:	> 100	
Evaporation rate	:	Not Applicable	
Flammability (solid, gas)	:	Not Applicable	
Upper/lower flammability or explosive limits	:	No data available	
Vapor pressure kPa	:	----	
Vapor density	:	No data available	
Relative density	:	1.09 - 1.13	
Solubility(ies) mg/l	:	----	
Partition Coefficient (n-octanol/water) Log Pow	:		See Section 12 for more information
Autoignition temperature °C	:	----	
Decomposition temperature °C	:	----	
Kinematic viscosity mm ² /s 40 °C	:	----	
Explosive properties	:	Not an explosive	
Oxidizing properties	:	Not oxidizing	

Other Information

Bulk density g/ml	:	
Surface tension mN/m	:	Not Applicable

Section 10: STABILITY AND REACTIVITY

Reactivity

Not available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible Materials

No information available

Hazardous Decomposition Products

None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: 2850	Rat	EPA-FIFRA 81-1	
Dermal LD50 mg/kg	: > 5000	Rat		
Inhalation LC50 mg/l/4h	: > 20	Rat	OECD 403	
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	EPA-FIFRA 81-5	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	EPA-FIFRA 81-4	
Respiratory/skin sensitization	: No data available			

Chronic toxicity

Germ cell mutagenicity

Chemical Name
Atrazine : Not classified

Carcinogenicity

Chemical Name
Atrazine : Not Carcinogenic

Reproductive toxicity

Chemical Name
Atrazine : Not toxic for the reproductive system

STOT - single exposure

Chemical Name
Atrazine : Not available

STOT - repeated exposure

Chemical Name
Atrazine : H373 - May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

Chemical Name
Atrazine : Not available

Section 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Acute toxicity	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: 4.6	Rainbow trout		
Crustacea 48-hour EC50 mg/l	: ----			No data available
Algae 72-hour EC50 mg/l	: ----			No data available
Other plants EC50 mg/l	: ----			No data available

Chronic aquatic toxicity	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

Terrestrial Toxicity

Birds Oral LD50 mg/kg
Chemical Name
Atrazine : 940 Bobwhite quail

Bees Oral LD50 µg/bee
Chemical Name
Atrazine : > 97

Persistence and degradability

Abiotic Degradation	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Water DT50 days Chemical Name Atrazine	: 14 - 105		

Soil DT50 days

Chemical Name
Atrazine : 16 - 117

Biodegradation
Chemical Name
Atrazine : Not available

Bioaccumulative potential

Partition Coefficient (n-octanol/water) Partition Coefficient (n-octanol/water) Log Pow	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical Name Atrazine	: 2.5		25 °C

Bioconcentration factor (BCF)
Chemical Name
Atrazine : No data available

Mobility in soil

Adsorption/Desorption	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical Name Atrazine	: 39 - 173		Koc

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

IMDG/IMO
UN/ID No * 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Atrazine)
Hazard Class 9
Packing Group III
Marine pollutant Yes
Special precautions for user

RID/ADR
UN/ID No * 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Atrazine)
Hazard Class 9

Packing Group III
 Environmental hazard Yes
 Special precautions for user

ICAO/IATA

UN/ID No * 3082
 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Atrazine)
 Hazard Class 9
 Packing Group III
 Environmental hazard Yes
 Special precautions for user
 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable



* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

Section 15: REGULATORY INFORMATION

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

Section 16: OTHER INFORMATION

Revision Note Changes made to the last version are labeled with this sign ***.

List of Acronyms

- ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- CAS Number - Chemical Abstracts Service number
- EC Number - EINECS and ELINCS Number
- EINECS - European Inventory of Existing Commercial Substances
- ELINCS - European List of notified Chemical Substances
- IATA - International Air Transport Association
- ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
- IMDG - International Maritime Dangerous Goods
- LC50 - Lethal Concentration to 50 % of a test population
- LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
- OECD - Organization for Economic Co-operation and Development
- PBT - Persistent, Bioaccumulative and Toxic substance
- RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
- STOT - Specific Target Organ Toxicity
- vPvB - Very Persistent and Very Bioaccumulative

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet