

SAFETY DATA SHEET
EU Regulation No. 1907/2006,
Annex II

Page : 1

Revised edition no : 1

Date : 31 / 1 / 2013

Supersedes : 0 / 0 / 0

Racer 200 CS

H-216-RAII

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

1.1. Product identifier

Trade name : Racer 200 CS

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

Relevant identified uses : Herbicide.

Uses advised against : None under normal conditions.

1.3. Details of the supplier of the safety data sheet

: ADAMA SOUTH AFRICA (PTY) LTD
21 Viben Street
Brackenfell 7560

Email : msds@mcw.co.il

1.4. Emergency telephone number

: +27 82 331 6463
+27 21 982 1460

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification 67/548/EEC (DSD) - 1999/45/EC (DPD)

: Repr. Cat. 3; R63
R43
N; R50-53

2.2. Label elements

Labelling 1999/45/EC (DPD)

Symbol(s)



: Xn : Harmful.
N : Dangerous for the environment.

R Phrase(s)

: R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 - Possible risk of harm to the unborn child.

S Phrase(s)

: S02 - Keep out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S24 - Avoid contact with skin.
S29/35 - Do not empty into drains ; dispose of this material and its container in a safe way.
S36/37 - Wear suitable protective clothing and gloves.
S46 - If swallowed seek medical advice immediately and show this container or label.
S57 - Use appropriate container to avoid environmental contamination.
S60 - This material and its container must be disposed of as hazardous waste.

2.3. Other hazards

Other hazards : None under normal conditions.

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SECTION 3. Composition/information on ingredients

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Flurochloridone	: 16 - 20 %	61213-25-0	262-661-3	-----	----	Repr. Cat. 3; R63 Xn; R22 R43 N; R50-53 ----- Acute Tox. 4 - H302 Repr. 2 - H361d Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Naphtha solvent heavy petroleum	: 22 - 27 %	64742-94-5	922-153-0	-----	----	Xn; R65 R66 N; R51-53 ----- Asp. Tox 1 - H304 STOT RE - EUH066 Aquatic Acute 2 - H401 Aquatic Chronic 2 - H411

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation** : Remove victim to fresh air. Keep person warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
- Skin contact** : Take off immediately all contaminated clothing. Wash contaminated skin with soap and water. Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.
- Ingestion** : Wash out mouth with water if person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.

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

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

- Note to physician** : No specific antidote. Treat symptomatically and supportively.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media** : Use DRY chemicals, CO2, water spray or foam.

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Flashback may occur along vapour trail.
- Hazardous decomposition products** : Chloride compounds , Nitrogen oxide and Fluoride compounds

5.3. Advice for fire-fighters

- Protection against fire** : Wear suitable protective clothing, gloves and eye/face protection. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Special procedures** : Exercise caution when fighting any chemical fire. In case of insufficient ventilation, wear suitable respiratory equipment.

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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Put on appropriate personal protective equipment (see Section 8).

6.2. Environmental precautions

Environmental precautions : Dispose of this material and its container at hazardous or special waste collection points. Do not empty into drains. Do not discharge into the environment.

6.3. Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Dispose of this material and its container at hazardous or special waste collection points.

6.4. Reference to other sections

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : When using do not eat, drink or smoke. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. After handling, always wash hands thoroughly with soap and water. Wash contaminated clothing before reusing. Comply with the safety instructions.

Technical protective measures : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of below established levels.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container. Keep in a cool, well-ventilated place. Store away from direct sunlight. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Precautions in handling and storage : If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

TLV© : Data not available.

8.2. Exposure controls

: Ventilation is normally required when handling or using this product.
Ensure that eyewash station and safety shower is proximal to the work-station location.

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.
- **Eye protection** : Use safety goggles / Face shield.
- **Others** : Chemicals resistant boots

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SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state at 20 °C	: Liquid - Suspension
Colour	: Light brown
Odour	: Aromatic
Odour threshold	: Not available
pH	: 10.24 (1%)
Melting point / Freezing point	: Not applicable
Initial boiling point - boiling range	: Not available
Flash point	: > 102 °C
Evaporation rate	: Not available
Flammability	: Not applicable for liquids
Explosion limits (lower - upper)	: Not available
Vapour pressure	: Not applicable
Vapour density	: Not available
Relative density	: 1.0866 (20°C)
Solubility	: Not applicable
Partition coefficient : n-octanol / water	: 3.36 @ 25°C (Flurochloridone)
Auto-ignition temperature	: 565 °C
Decomposition temperature	: Not available
Viscosity	: 830 mPa*S
Explosive Properties	: Not explosive
Oxidising properties	: Not oxidizing

9.2. Other information

Surface tension mN/m	: 47.8 (25°C)
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SECTION 10. Stability and reactivity

10.1. Reactivity

: Stable under normal conditions.

10.2. Chemical stability

Stability : Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

: Hazardous polymerization will not occur

10.4. Conditions to avoid

: Not known

10.5. Incompatible materials

Materials to avoid : oxidizing agents , Acids , Alkali.

10.6. Hazardous decomposition products

Hazardous decomposition products : Chloride compounds , Nitrogen oxide and Fluoride compounds

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SECTION 11. Toxicological information

11.1. Information on toxicological effects

- **Acute toxicity**
 - Oral, Rat LD50 (mg/kg) : > 5,000
 - LD50 Rabbit dermal [mg/kg] : > 2,000
 - Inhalation, Rat LC50 [mg/l/4h] : Not available
- **Skin corrosion/irritation** : Not irritating to skin
- **Serious eye damage/irritation** : Not irritating to eyes
- **Respiratory or skin sensitisation** : Guinea pig maximization test: May cause sensitization by skin contact.
- **Germ cell mutagenicity** : Not mutagenic (Flurochloridone)
- **Carcinogenicity** : Not carcinogenic (Flurochloridone)
- **Reproductive toxicity** : Possible risk of harm to the unborn child. (Flurochloridone)
- **STOT-single exposure** : Not available
- **STOT-repeated exposure** : Not available
- **Aspiration hazard** : Not available

SECTION 12. Ecological information

12.1. Toxicity

Acute toxicity

- 96 H-LC50 - Rainbow trout [mg/l] : 16.52
- EC50 - Daphnia [mg/l] : 26
- 72 H-EC50 - Algae [mg/l] : < 1.0
- Bees LD50 [µg] : Not toxic to bees
- LD50 Birds [mg/kg] : Bobwhite quail >2,000

Long-term exposure

12.2. Persistence - degradability

- Persistence - degradability** : Flurochloridone:
 - Soil : Half-life time (t1/2) : 10 - 65 days (field)
 - Water Half-life time (t1/2) 14 days

12.3. Bioaccumulative potential

12.4. Mobility in soil

- Mobility** : Soil : Flurochloridone:
 - Low mobility

12.5. Results of PBT and vPvB assessment

: Not available

12.6. Other adverse effects

: None known.

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

General

: Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

14.1. UN number

UN N°

: 3082

Hazard Label(s)



: 9 : Miscellaneous dangerous substances and articles.

14.2. UN proper shipping name

• Land transport - ADR/RID

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flurochloridone), 9, III, (E)

• Sea transport - IMO-IMDG

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flurochloridone), 9, III, (E)

• Air transport - ICAO/IATA

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flurochloridone), 9, III, (E)

- Proper shipping name

: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Flurochloridone)

14.3. Transport hazard class(es)

• Land transport - ADR/RID

: 9

• Sea transport - IMO-IMDG

: 9

- IMO-IMDG - class or division

: 9

• Air transport - ICAO/IATA

: 9

14.4. Packing group

• Land transport - ADR/RID

: III

• Sea transport - IMO-IMDG

: III

- IMO-IMDG - Packing group

: III

• Air transport - ICAO/IATA

: III

14.5. Environmental hazards

- IMDG-Marine pollution

: Marine pollutant - Polluant marin

14.6. Special precautions for user

: See transport documents.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: Not applicable.

SECTION 15. Regulatory information

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

: Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

: Not applicable

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SECTION 16. Other information

List of relevant R phrases (heading 3) : *R22 - Harmful if swallowed.*
R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 - Possible risk of harm to the unborn child.
R65 - Harmful : may cause lung damage if swallowed.
R66 - Repeated exposure may cause skin dryness or cracking.

List of relevant H phrases (Section 3) : *EUH066 - Repeated exposure may cause skin dryness or cracking.*
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H317 - May cause an allergic skin reaction.
H361d - Suspected of damaging the unborn child.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.
NA - Combustible liquid.

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