

PRIME GOLD 660SC™

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: Prime Gold 660SC™ (Metolachlor + Atrazine)

Chemical name:

Metolachlor: (RS)-2-Chloro-N-(2-ethyl-6-methyl-phenyl)-N-(1-methoxypropan-2-yl)acetamide

Atrazine: 1-Chloro-3-ethylamino-5-isopropylamino-2,4,6-triazine

Formula:

Metolachlor: C₁₅H₂₂ClNO₂

Atrazine: C₈H₁₄ClN₅

Product Use: Commercial Herbicide

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

6229 EE Maastricht The Netherlands

www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Content (gr/ltr)</u>	<u>CAS RN</u>
Metolachlor	290 gr/ltr	51218-45-2
Atrazine	370 gr/ltr	1912-24-9

SECTION 3 Hazards Identification

Relevant routes of exposure: Skin, eyes, lungs, mouth

Medical conditions known to be aggravated: Individuals with known sensitivity to atrazine should not be exposed to this product. Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product.



SECTION 4 First Aid Measures

If Poisoning is suspected or any symptoms are serious: Immediately contact the poison control center, a doctor or nearest hospital. Tell the person contacted the complete product name and the type and amount of exposure. Describe any symptoms and follow the advice given.

Ingestion: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have a person sip a glass of water if able to swallow. Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation: Move to fresh air, clean up and rest. Call a poison control center or doctor for further advice.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Skin contact: Immediately remove contaminated clothing and wash skin, hair and fingernails thoroughly. Obtain medical attention if irritation occurs.

SECTION 5 Fire Fighting Measures

Suitable extinguish media: Dry chemical, carbon dioxide, foam and water.

Hazardous combustion products: Thermal decomposition products may include carbon monoxide, hydrogen cyanide and acetonitrile.

Conditions under which flammability could occur: The product presents no static explosion hazard. It is not impact or shock sensitive.

Fire-fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Avoid breathing vapors.

SECTION 6 Accidental release measures

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Land spill or leaks:

Small spill: Absorb with an inert absorbent material such as granular clay, saw dust or pet litter. Sweep up carefully while avoiding the formulation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.



Large spill: Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. All equipment used to clean up spill should be grounded. Prevent entry into waterways, sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs.

SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool and dry place out of reach of children. Keep product in the original container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8 Exposure controls/Personal protection

Eye and face protections: Safety glasses, splash goggles or face-shield.

Skin protections: Long-sleeved shirt and long pants waterproof gloves chemical-resistant footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. Make use of appropriate chemical cartridge-type respirator.

SECTION 9 Physical & Chemical properties

Appearance: Off-white liquid

Odour: Odourless

pH: 6-7

Vapour pressure and reference temperature: 1.5 mm Hg (20°C)

Boiling point: about 103°C

Freezing/Melting point: -5 °C

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Conditions to avoid: None known

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Incompatibility with other materials: None known

Hazardous decomposition products: Carbon monoxide, hydrogen cyanide and acetonitrile.

Hazardous polymerization: Will not occur.

SECTION 11 Toxicological Information

Metolachlor

- *Ingestion:* Acute oral LD₅₀ (Rats) >5.2 mg/kg
- *Dermal:* Acute percutaneous LD₅₀ (Rats) >3000 mg/kg
- *Inhalation:* Acute oral LC₅₀ (Rats, 4h) >0.7mg/l
- *Eye Irritation:* Non Irritating (Rabbit)
- *Skin Irritation:* Mildly irritating (Rabbit)
- *Skin Sensitization:* Potential sensitizer (Guinea Pig)

Chronic Toxicity Studies

- *Carcinogenicity:* Not found
- *Mutagenicity:* Not found
- *Reproduction:* Not found

Atrazine

- *Ingestion:* Acute oral LD₅₀ (Rats) >2267 mg/kg
- *Dermal:* Acute percutaneous LD₅₀ (Rats) >2020 mg/kg
- *Inhalation:* Acute oral LC₅₀ (Rats, 4h) >4060mg/m³
- *Eye Irritation:* Moderately Irritating (Rabbit)
- *Skin Irritation:* Moderately irritating (Rabbit)
- *Skin Sensitization:* Potential sensitizer (Guinea Pig)

Chronic Toxicity Studies

- *Teratogenic:* Not found
- *Carcinogenicity:* Weak carcinogen
- *Reproduction:* Not found



SECTION 12 Ecological Information

Metolachlor: Practically non-toxic to birds, slightly to moderately toxic to fish and slightly toxic to bees.

Birds: Acute oral LD50 for Mallard ducks >2150 mg/kg

Fish: LC50 (96 h) for carp 4.9 mg/l.

Atrazine: Practically non-toxic to birds, slightly toxic to fish and other aquatic life, it has a low level of bioaccumulation in fish and is not toxic to bees.

Birds: Acute oral LD50 for Mallard ducks >2000 mg/kg

SECTION 13 Disposal Considerations

Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.

SECTION 14 Transport Information

Shipping information such as shipping classification: TRANSPORTATION OF DANGEROUS GOOD

Road/Rail Shipping Name and Class: Environmentally hazardous substances, liquid, n.o.s. (atrazine)

UN. N.:N3082

Class: 9.2.

Packing Group: III

Regulated Limit: Packages sizes below 1 L are not regulated.

SECTION 15 Regulatory Information

WHMIS classification for product: Exempt

SECTION 16 Other Information

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein. Sineria makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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