



ComCat O

Nutrients for Plants and Soil



Description

ComCat O is a bio-extract derived from wild plant which promotes root growth and seed germination.

Key advantages

- ComCat O is very easy to use and can be mixed with most modern fungicides, insecticides, and fertilizers.
- ComCat O is suitable for all ornamental plants, lawns, fruits and vegetables in the house and garden.
- Our patented plant extract has been used successfully for many years around the world in a wide variety of agricultural crops and in professional lawn care.

Mixing Instructions

- ComCat O can be applied through sprinkler foliar spray or irrigation systems. It can be applied together with most modern fungicides, insecticides and fertilizers.
- Apply 1-2 oz per acre or dilute 1:7,500 to 10,000 in water for seed treatment, foliar, or drip.
- Apply during 2-3 times during the growing season: early spring/3-4 leaves, before flowering, and after flowering/during fruit formation.

Warnings

- Do not leave the powder or mixture standing in the sun.
- Store at room temperature in a dry area for a maximum of 2 years from the date of production.

COMCAT O MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1		PRODUCT		
Identity: ComCat O				
Manufacturer: AgraForUm GmbH				
Address: Poststr. 1 29699 Bomlitz GERMANY		Tel: + 49 5161 4812273		
		Fax: + 49 5161 4812275		
Web: www.agraforum.com		Email: mail@agraforum.com		
SECTION 2		INGREDIENTS INFORMATION		
CAS No.	Significant Ingredients	% (optional)	OSHA PEL	ACGIH TLV
	Saponins/Saponins extracts	0.24%		
	Organic matter from plant residues	9.76%		
	Dextrose (inert carrier)	90.0%		
SECTION 3		HAZARDS IDENTIFICATION		
EMERGENCY OVERVIEW: Generally regarded as safe in pharmaceutical or food sector				
Caution: May cause eye, skin, and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.				
Target Organs:		-	Eye:	May cause irritation, not harmful
Ingestion:		Not an irritant, not harmful.	Skin:	Not an irritant, not harmful.
Inhalation:		May cause respiratory tract irritation, not harmful.	Chronic: -	
SECTION 4		FIRST AID MEASURES		
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.			
Skin:	No harmful effect on skin. Medical aid required only if unexpected irritation develops or persists.			
Ingestion:	Get medical aid if irritation or symptoms occur.			
Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.			
Notes to Physician: Treat symptomatically and supportively.				

**SECTION 5****FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used):	non-flammable	Flammable Limits:	no information
Extinguishing Media:	water spray, CO ₂ , dry chemical (ABC), alcohol foam	LEL: no information	UEL: no information
Special Fire Fighting Procedures:	As in any fire conditions, wear full protective clothing and a NIOSH-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.		
Unusual Fire and Explosion Hazards:	As with most fluids containing an organic phase, fire is unlikely but possible at elevated temperatures.		

SECTION 6**ACCIDENTAL RELEASE MEASURES**

General:	Avoid inhaling of dust. Use proper personal protective equipment as indicated in Section 8. Not harmful				
Spills/Leaks:	Dilute spill with water - flush to sewer with copious amounts of water. Provide ventilation. This liquid is not harmful to the environment.				

SECTION 7**HANDLING AND STORAGE**

Handling:	Use with adequate ventilation. Avoid contact with eyes. Avoid ingestion and inhalation.				
Storage:	Do not store in direct sunlight. Store in a tightly closed container. Store in a dry area. Store at ambient temperature. Keep container closed when not in use.				

SECTION 8**EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls:		Facilities storing or utilizing this material should be equipped with an eyewash facility. A safety shower is not required. Use adequate ventilation.		
Exposure Limits	Mixture: ComCat O	ACGIH	NIOSH	OSHA - Final PELs
		none listed	none listed	none listed
OSHA Vacated PELs:	No OSHA Vacated PELs are listed for this mixture.			
Personal Protective Equipment:				
Eyes:	Although not required, appropriate protective eyeglasses may be worn as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
Skin:	No gloves are necessary.			
Clothing:	No specific safety wear is required.			
Respirators:	Respiratory protection program is required.			
Other Precautions:	Wash after handling. Use with adequate ventilation. Avoid ingestion of large volumes.			

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	Powder, Grayish	Odor:	Odorless
Vapor Pressure:	Not available	pH:	4.5-7.0
Vapor Density:	Not available	Evaporation Rate:	Not available
Viscosity:	Not available	Melting Point:	202°C (396°F)
Solubility:	Water powder	Freezing Point:	Not available C
Specific Gravity/Density:	1.525 g/cm ³ @ 20 °C	Molecular Weight:	Not applicable
Ventilation (General):	Adequate local or general exhaust.	Eye Protection:	None required.
Work / Hygienic Practices:	Wash thoroughly after handling.		
Other Protective Clothing or Equipment:	None required.		

SECTION 10

STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperature and pressures.
Conditions to Avoid:	Excessive temperature or heat
Incompatibilities with Other Materials:	Strong oxidizing agents.
Hazardous Polymerization:	no
Hazardous Decomposition Products:	CO, CO2 on decomposition

SECTION 11

TOXICOLOGICAL INFORMATION

RTECS#:	
CAS#	A mixture; no single CAS#
LD50/LC50:	Not available.
Carcinogenicity:	Not carcinogenic according to AEMES testing. Not listed by ACGIH, IARC, NTP, or CA Prop 65
Epidemiology:	No information found
Teratogenicity:	Not teratogenic effects in experimental animals (mice/rats).
Reproductive Effects:	No adverse reproductive effects have occurred in experimental animals.
Mutagenicity:	No mutagenic effects have occurred in experimental animals and not mutagenic according to AEMES test.
Neurotoxicity:	No information found

Other Studies:

SECTION 12

ECOLOGICAL INFORMATION

Ecotoxicity:	Not thought to be ecotoxic. No formal or hard data available. No information available.
Environmental:	Expected to be environmentally friendly, including fish and bees, based on ingredients but no formal data available.
Physical:	No information available.
Other:	Can be emptied into drains.

SECTION 13

DISPOSAL CONSIDERATIONS

The ingredients of the products are not listed amongst chemicals classified for disposal of hazardous waste. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series:	None listed.
RCRA U-Series:	None listed.
Other:	

SECTION 14

TRANSPORT INFORMATION

Shipping Name:		
Hazard Class:	Not regulated as Hazardous	Non-dangerous goods
UN Number:	Non-dangerous, therefore no UN number	
Packing Group:	N1	

SECTION 15		ACCIDENTAL RELEASE MEASURES
US Federal		Not listed on the US Federal inventory.
TSCA		Not listed on the TSCA inventory.
Health & Safety Reporting		None of the ingredients /chemicals are on the Health & Safety Reporting List.
Chemical Test Rules		None of the chemicals in this product are under a Chemical Test Rule.
Section 12b		None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule		None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs		None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances		None of the chemicals in this product have a TPQ.
Section 313		No chemicals are reportable under Section 313.
Clean Air Act:		This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.
Clean Water Act:		None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:		None of the chemicals in this product are considered highly hazardous by OSHA.
European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols:		Not available.
Risk Phrases:		
Safety Phrases:		S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)		
Canada - DSL/NDSL		Not listed on Canada's DSL List.
Canada - WHMIS		This product has a WHMIS classification of Not Controlled.. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
SECTION 16		ADDITIONAL INFORMATION



Feed, Fertilizer and Livestock Drugs Regulatory Services Division of Inspection Services

Firm Name	SHEMIN GARDEN LLC
License ID #	511138
Product Name	COMCAT O
Type of Fertilizing Material	Auxiliary Soil and Plant Substance
Is this an Organic Input Material (OIM)?	Yes
Annotation	

Registration ID#	741717
Status	Approved

Guaranteed Analysis(%)	
Primary Nutrient	
Total Nitrogen (N)	
Available Phosphoric Acid (P2O5)	
Soluble Potash (K2O)	
Secondary Nutrient	
Calcium (Ca)	
Magnesium (Mg)	
Sulfur (S)	

Guaranteed Analysis(%)	
Micro Nutrient	
Boron (B)	
Chlorine (Cl)	
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	
Manganese (Mn)	
Molybdenum (Mo)	
Sodium (Na)	
Zinc (Zn)	

Heavy Metals (ppm)	
Analysis	
Arsenic (As)	< 0.5
Cadmium (Cd)	< 0.1
Cobalt (Co)	< 0.5
Copper (Cu)	= 0.828
Lead (Pb)	< 0.3
Mercury (Hg)	< 0.0155
Molybdenum (Mo)	< 0.25
Nickel (Ni)	= 0.267
Selenium (Se)	< 0.5