

# MATERIAL SAFETY DATA SHEET

**SECTION I**

Manufacturer's Name: Ryter Corp.  
 Ryter Corporation  
 29 Estes Ave. N.W.  
 Medina, MN 56062

Chemical Name: Protease Enzyme & Bacillus Subtilis Bacteria  
 Trade Name: Formula One  
 Chemical Family: Protein & Subtilis Spore 0453

**SECTION II - HAZARDOUS INGREDIENTS**

Paints, Preservatives, and Solvents % TLV (Units) Alloys and Metallic Coatings % TLV (Units)

This Material is NOT Hazardous As Defined by OSHA 1910.1200\*  
 \*Hazardous chemical" means any chemical which is a physical hazard or a health hazard.

"Health hazard" means a chemical for which there is statistically significant evidence based on at least one study conducted in accordance with established scientific principles that acute or chronic health effects may occur in exposed employees. The term "health hazard" includes chemicals which are carcinogens, toxic or highly toxic agents, reproductive toxins, irritants, corrosives, sensitizers, hepatotoxins, nephrotoxins, neurotoxins, agents which act on the hematopoietic system, and agents which damage the lungs, skin, eyes or mucous membranes.

"Physical hazard" means a chemical for which there is scientifically valid evidence that it is a combustible liquid, a compressed gas, explosive, flammable, an organic peroxide, an oxidizer, prophoric, unstable(reactive) or water reactive.

\*See also Section X, Special Precautions.

**SECTION III - PHYSICAL DATA**

Boiling Point (F) N/A Specific Gravity (h20=1) N/A  
 Vapor Pressure (mm Hg.) N/A Percent Volatile by Volume (%) N/A  
 Vapor Density (Air=1) N/A Evaporation Rate =1 N/A  
 Solubility in Water 30%  
 Appearance & Odor Light to darker tan, essentially odorless.

**SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA**

Flash Point (Method Used) N/A Flammable Limits Lel N/A Uel N/A  
 Extinguishing Media N/A  
 Special Fire Fighting Procedures N/A  
 Unusual Fire and Explosive Hazards N/A

**SECTION V - LISTED IN**

NTP IARC Other N/A  
 OSHA N/A  
 Date of Preparation: 01/01/01

**SECTION VI - HEALTH HAZARD DATA**

Threshold Limit Value N/A

Permissible Exposure Limit N/A

Other N/A

**Effects of Overexposure:**

Inhalation of dust may cause irritation of the upper respiratory tract and asthmatic type symptoms such as wheezing, tightness in the chest, shortness of breath and cough at night, often several hours after leaving work.

**Emergency First Aid Procedures:**

Thoroughly wash material from skin or eyes with water.

Primary Routes of Entry: N/A

**SECTION VII - REACTIVITY DATA**

Stability: Unstable Stable Yes Conditions To Avoid N/A

Incompatibility (Materials to Avoid):

Hazardous Decomposition Products: N/A

Hazardous Polymerization/ May Occur Will Not Occur Conditions to Avoid N/A

**SECTION VIII - SPILL OR LEAK PROCEDURES**

**Steps to be Taken in Case Material is Released or Spilled:**

Avoid skin and eye contact and creating dust. Clean up according to normal procedures for powder spills.

**Waste Disposal Method**

Flush into sewage system with water.

**SECTION IX - SPECIAL PROTECTION INFORMATION**

Respiratory Protection (Specify Type): When working with 25 lbs. or more in bulk. Avoid breathing dust

Ventilation/Local Exhaust: Recommended Special:

Ventilation/Mechanical (General) N/A

Protective Gloves: Yes Other:

Other Protective Equipment: Dust mask Eye Protection:

**SECTION X - SPECIAL PRECAUTIONS**

**Precautions to be Taken in Handling and Storing:**

Store in a cool, dry area. Keep container tightly sealed to protect from moisture.

**Other Precautions:**

Despite not being hazardous, it is still advisable to follow prudent laboratory practices of avoiding contact, i.e., breathing, touching, etc., of a laboratory reagent or material.

# MATERIAL SAFETY DATA SHEET

## SECTION I

### Manufacturer's Name:

Agar Corporation

29 Estes Ave. N.W.

Maddia, MN 56062

Chemical Name: Protease Enzyme & Bacillus Subtilis Bacteria

Trade Name: ~~Protease One~~

Chemical Family: Protein & Subtilis Spore 0453

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OSHA N/A

Date of Preparation: 01/01/01

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Other: N/A

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Ventilation/Mechanical (General): N/A

Protective Gloves: Yes

Other:

Other Protective Equipment: Dust mask

Eye Protection:

**SECTION X - SPECIAL PRECAUTIONS**

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