



# Material Safety Data Sheet

## GreenPIG™

### SECTION 1

#### COMPANY IDENTIFICATION

Manufactured for Turfgrass Management, Inc. D.B.A.,  
Grigg Brothers, PO BOX 128, Albion, Idaho, 83311  
08:00–17:00 MST, Mon-Fri: **1-800-246-8873**  
EMERGENCY NUMBER: After hours, holiday's, and  
all other non business hours; call poison control  
1-800-222-1222

#### PRODUCT IDENTIFICATION

GRIGG BROTHERS ID #: **600**  
COMMON NAME: GreenPIG™  
CHEMICAL DESCRIPTION: pigment additive  
CHEMICAL ACTIVITY: Propylene Glycol 5.5 %, Proxel GXL  
0.2%, surfactant 0-10%, proprietary package 40-50%  
water 42%

### SECTION 2

#### HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION

WARNING: **Emergency Overview;**  
**irritating to eyes and skin. May cause  
irritation of respiratory tract and may  
cause sensitization by skin contact.**  
OSHA REGULATORY STATUS: **This  
material is considered hazardous by the  
OSHA Hazard Communication Standard  
(29 CFR 1910.1200**

INGREDIENTS / HAZARDOUS  
COMPONENTS: (Specific Chemical Identity;  
OSHA PEL ACGIH TLV C.A.S. NO. SARA  
Common Name) (Mg/M3) (Mg/M3) %  
Propylene Glycol # **577-55-6**  
Proxel GXL # **2634-33-5**

### SECTION 3

#### PHYSICAL/CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY: (H<sub>2</sub>O=1) **1.17-1.19**  
VAPOR DENSITY: (AIR=1) **> Air**  
EVAPORATION RATE: **< Butyl Acetate**  
WATER SOLUBILITY: **Dispersible**  
pH: **8-9 @ 10%**  
PHYSICAL STATE: **Liquid**  
APPEARANCE AND ODOR:  
**Green, slight odor**

### SECTION 4

#### FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY: **Non-flammable**  
EXTINGUISHING MEDIA: **Use  
extinguishing measures that are  
appropriate to local circumstances and  
surrounding environment**  
HAZARDOUS COMBUSTION: **The  
combustion of this product may emit  
obnoxious and toxic fumes. As long as  
the material is not altered, it is non-  
combustible. If the liquid boils off,  
combustion products of the material  
would include carbon dioxide and carbon  
monoxide.**  
UNUSUAL FIRE & EXPLOSION HAZARDS:  
**None.**

### SECTION 5

#### REACTIVITY DATA

STABILITY: **Stable under normal  
conditions**  
CONDITIONS TO AVOID: **Heat, flames,  
sparks**  
INCOMPATIBILITY (MATERIALS TO  
AVOID): **None Known**  
HAZARD DECOMPOSITION OR BY-  
PRODUCTS: **None under normal  
conditions. Material non-combustible**  
HAZARDOUS REACTIONS: **None under  
normal**

### SECTION 6

#### HEALTH HAZARD DATA

ACUTE TOXICITY: **Chemical Name:**  
**PROPYLENE GLYCOL [(LD50 Oral) 20000  
mg/kg (Rat)], [(LD50 Dermal) 20800 mg/kg  
(Rabbit)]**  
**PROXEL GXL [(LD50 Oral) 1020 mg/kg  
(Rat)]**  
ROUTES (S) OF ENTRY: **Skin contact,  
eye contact**  
CARCINOGENICITY: NTP: **None known**  
IARC Monographs: **No**  
OSHA Regulated: **No**  
HEALTH HAZARDS (ACUTE & CHRONIC) /  
SIGNS & SYMPTOMS OF EXPOSURE:  
**This material may cause mechanical  
irritation if in contact with eye.**  
EMERGENCY AND FIRST AID  
PROCEDURES:

**Eyes:** Immediately flush eyes with plenty of  
water for at least 15 minutes. Consult a  
physician if continued irritation is noted.  
**Skin:** Wash contaminated areas with soap  
and plenty of water for 15 minutes. Remove  
contaminated clothing and footwear and  
wash clothing before reuse. If skin irritation  
continues consult a physician.  
**Inhalation:** Move to fresh air. If breathing is  
difficult provide oxygen.  
**Ingestion:** Do not give anything by mouth to  
an unconscious person. If swallowed do not  
induce vomiting, clean mouth with water and  
afterwards drink plenty of water. Consult a  
physician if necessary.  
**Physician Notes:** Treat symptomatically.

### SECTION 7

#### PRECAUTION FOR SAFE HANDLING AND USE FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL  
IS RELEASED OR SPILLED: **Dam up and  
soak up with inert absorbent material.  
Sweep or vacuum. Collect in a suitable  
container. Water or other cleanser may  
be used to facilitate cleanup of buildings  
or equipment. Water contacting the  
product will be colored and should be  
disposed of in accordance with local  
requirements.**

STORAGE: **Keep in containers tightly  
closed in a cool, well-ventilated place.**  
WASTE DISPOSAL METHOD: **Dispose in  
closed containers, at an approved  
landfill, in accordance with local, state  
and federal regulations. Do not flush into  
surface water or sanitary sewer systems.**  
PRECAUTIONS TO BE TAKEN IN  
HANDLING AND STORING: **Handle in  
accordance with good industrial hygiene  
and safety practice to minimize  
splashing. Wear personal protective  
equipment. Irritating to eyes & skin.  
Repeated or prolonged skin contact may  
cause allergic reactions with susceptible  
persons. Avoid breathing vapors or mist  
as this product may be irritating to the  
respiratory tract. May be harmful if  
swallowed. Ingestion may cause  
gastrointestinal tract irritation, nausea,  
vomiting, and diarrhea.**  
OTHER PRECAUTIONS: **Barriers and  
protective equipment for the skin may be  
used to avoid discoloration.**

### SECTION 8

#### CONTROL MEASURES

RESPIRATORY PROTECTION:  
NIOSH/MSHA **Use with adequate  
ventilation. Respiratory protection not  
necessary under normal use and  
conditions but may be necessary when  
exposure to mist and spray is possible.**  
VENTILATION: **Local exhaust ventilation  
may be necessary to control air  
contaminants during the use of this  
product.**  
SKIN PROTECTION: **Impervious gloves,  
long sleeve shirts.**  
EYE PROTECTION: **Side shield safety  
glasses or goggles.**  
OTHER PROTECTIVE CLOTHING AND  
EQUIPMENT: **Protective clothing to**

minimize skin contact should be worn. Wear chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eye wash facilities should be provided in all areas in which this product is handled.  
WORK/HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9**  
TRANSPORT INFORMATION

DOT: **Not regulated**  
IATA: **Not regulated**  
IMGD / IMO: **Not regulated**

**SECTION 10**  
REGULATORY INFORMATION

**International Inventories**  
**Hazardous Components**

Chemical Name:  
PROPYLENE GLYCOL - 57-55-6  
TSCA: X  
DSL: X  
NDSL: -  
EINECS: X  
ELINCS: -  
ENCS: X  
CHINA: X  
KECL: X  
PICCS: X  
AICS: X

Chemical Name:  
PROXEL GXL - 2634-33-5  
TSCA: X  
DSL: X  
NDSL: -  
EINECS: X  
ELINCS: -  
ENCS: X  
CHINA: X  
KECL: X  
PICCS: X  
AICS: X

**Non-Hazardous Components**

Chemical Name:  
Proprietary Package  
TSCA: X  
DSL: X  
NDSL: -  
EINECS: X  
ELINCS: -  
ENCS: X  
CHINA: X  
KECL: X  
PICCS: X  
AICS: X

Chemical Name:  
Surfactant  
TSCA: -  
DSL: -  
NDSL: -  
EINECS: -  
ELINCS: -  
ENCS: -  
CHINA: -

KECL: -  
PICCS: -  
AICS: -  
  
Chemical Name:  
Water  
TSCA: X  
DSL: X  
NDSL: -  
EINECS: X  
ELINCS: -  
ENCS: -  
CHINA: X  
KECL: X  
PICCS: X  
AICS: X

**USA**  
**FEDERAL REGULATIONS:**

SARA 311/312 Hazardous Categorization  
Acute Health Hazard Yes  
Chronic Health Hazard No  
Fire Hazard No  
Sudden Release of Pressure Hazard No  
Reactive Hazard No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

**STATE REGULATIONS:**

California Proposition 65: This product does not contain any Proposition 65 chemicals.

**STATE RIGHT-TO-KNOW:**

Chemical Name: PROPYLENE GLYCOL  
Massachusetts:  
New Jersey: X  
Pennsylvania: X  
Illinois:  
Rhode Island: X

**CANADA**  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Chemical Name: PROPYLENE GLYCOL  
Canada / WHMIS / Classifications of Substances:  
Uncontrolled product according to WHMIS classification criteria

Chemical Name: PROXEL GXL  
Canada / WHMIS / Classifications of Substances:  
D2B

**SECTION 11**  
ECOLOGICAL INFORMATION

**Ecotoxicity**  
Ecotoxicity effects.

Chemical Name: PROPYLENE GLYCOL  
Freshwater Algae: h EC50 96 (19000mg/L)  
Freshwater Fish: h LC50 96 Oncorhynchus mykiss (51600mg/L), h LC50 96 Oncorhynchus mykiss (41-47ml/L), h LC50 96 Pimephales promelas (51400mg/L), h LC50 96 Pimephales promelas (710mg/L)  
Microtox: EC50= 710 mg/L (30min)  
Water Flea h EC50 48 (>10000mg/L)  
Persistence/Degradability Not available  
Bioaccumulation/ Accumulation Not available  
Mobility in Environmental Media Not available

Chemical Name: PROXEL GXL  
log Pow: 1.3