

# SAFETY DATA SHEET

Product Name: Prozap® Insectrin CS  
Issue Date: June 1, 2015  
Replaces: New Issue  
SDS Number: MGK0014 - CTL

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## 1. PRODUCT IDENTIFICATION

Product Name: **Prozap® Insectrin CS**  
Product Number(s): 0516010, 0517010, 0518010  
Use: Insecticide  
Manufacturer: McLaughlin Gormley King Company  
8810 10<sup>th</sup> Avenue North  
Minneapolis, MN 55427  
Manufacturer Phone: 1-800 645-6466, or 763-544-0341  
Distributor: ChemTech, Ltd.  
1006 North Highway 5  
Pleasantville, IA 50225  
Distributor Phone: 1-800-477-8201  
**Emergency Phone: Medical: 1-888-740-8712**  
**Spill: 1-800-424-9300 (United States)**

## 2. HAZARDS IDENTIFICATION

Classifications:

Acute Toxicity – Inhalation (Dusts/Mists)	Category 4
Skin sensitization	Category 1
Germ cell Mutagenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 4

Signal Word (EPA): CAUTION  
Signal Word (OSHA): DANGER

Hazard Statements: May be fatal if swallowed and enters airways  
Harmful if inhaled  
May cause an allergic skin reaction  
Causes damage to organs through prolonged or repeated exposure  
May cause genetic defects  
Very toxic to aquatic life  
Very toxic to aquatic life with long lasting effects  
Combustible liquid

Hazard Symbols:



Precautionary Statements: Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces. – No Smoking

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IF exposed or concerned: Get medical advice/attention  
Specific treatment (see Section 4/First Aid)  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction  
  
Store locked up  
Store in a well-ventilated place. Keep cool  
  
Dispose of contents/container to an approved waste disposal plant

Other Hazard Statements: Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Permethrin		52645-53-1	7.40%
Piperonyl Butoxide (PBO)	Piperonyl Butoxide (PBO)	51-03-6	7.40%
Petroleum distillates, hydrotreated light	Petroleum distillates, hydrotreated light	64742-47-8	< 10%*
Stoddard Solvent		8052-41-3	< 10%*
White mineral oil, petroleum		8042-47-5	50 -75%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

## 4. FIRST AID MEASURES

Have the product container, label, or Safety Data Sheet with you when calling 1-888-740-8712, a poison control center or doctor, or going for treatment.

Aspiration pneumonia hazard: May be fatal if swallowed and enters airways.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

Inhalation: Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Self-protection of the First Responder:  
Use personal protective equipment as required.

Note to physicians:  
Contains petroleum distillates – vomiting may cause aspiration pneumonia.

For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is a topical application of tocopherol acetate (Vitamin E).

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## 5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

Caution: use of water spray when fighting fire may be inefficient.

Hazardous combustion products:

Hydrogen chloride, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

Specific hazards:

In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion data:

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Special protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions:

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewers system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and materials for containment:

Prevent further leakage or spillage if safe to do so.

Methods and materials for cleaning up:

Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). For more information, see product label.

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Conditions for safe storage, including any incompatibilities:

Keep tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flames and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers. For more information, see product label.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limit** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>SOURCE</u>
Petroleum distillates hydrotreated light	Not available	Not Available	100 ppm TWA 525 mg/m <sup>3</sup>	OEL
Stoddard Solvent	500 ppm TWA 2900 mg/m <sup>3</sup> TWA 100 ppm TWA (vacated) 525 mg/m <sup>3</sup> TWA (vacated)	100 ppm TWA	20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min 350 mg/m <sup>3</sup> TWA	NIOSH IDLH

Other information: Vacated limits revoked by the Court of appeals decision in AFL-CIO v OSHA, 965 F.2d 962 (11<sup>th</sup> Cir. 1992)

### Individual protection measures, such as personal protective equipment


Eye/Face Protection:

Tight sealing safety goggles. Face protection shield.

Skin and body Protection:

Wear protective gloves and protective clothing.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. 

General Hygiene Considerations:

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	Clear, Yellow
Odor:	Solvent
Odor threshold:	Not Available
Color (Gardner Scale)	Not Available
pH:	Not Available
Melting Point:	Not Available
Freezing Point:	Not Available
Boiling Point and Boiling Range:	Not Available
Flash Point (Test Method):	85° C (185° F) Tag closed cup
Flammable Limits (% in air):	Not Available
Flammability:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	Not Available
Solubility (ies):	Not Available
Partition Coefficient:	Not Available
Kinematic Viscosity:	Not Available
Dynamic viscosity:	17.5 cPs @ 20.6°C
Refractive Index:	Not Available
Other:	
Density:	0.863 g/cm <sup>3</sup> @ 20.0 °C
VOC Content:	0.22
Miscibility/Solubility:	
Water:	Partially Miscible
Alcohol:	Miscible
Aromatic solvents:	Miscible
Petroleum distillates:	Miscible

## 10. STABILITY AND REACTIVITY

Reactivity:	Not Available
Chemical Stability:	Stable under recommended storage conditions
Possible Hazardous Reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	Heat, flames and sparks.
Incompatible Materials:	Strong acids, strong bases, and Oxidizing agents
Hazardous Decomposition Products:	Hydrogen chloride, Carbon monoxide, Carbon dioxide (CO <sub>2</sub> )

## 11. TOXICOLOGICAL INFORMATION

### Numerical Measures of Toxicity (Product Information)

Ingestion:	Oral LD <sub>50</sub> (Rat):	>5,000 mg/kg
Dermal:	Dermal LD <sub>50</sub> (Rabbit):	>5,000 mg/kg
Inhalation:	Inhalation LC <sub>50</sub> (Rat):	>2.05 mg/L, 4 hrs.
Eye Contact:	Irritation clearing in 48 hours. (Rabbit)	
Skin Contact:	Slight irritation at 48 hours. (Rabbit)	
Skin Irritation Index:	0.6	
Skin Sensitization:	Positive. (Guinea pig)	
Comment:	Toxicology data was bridge from a similar formula	

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## Piperonyl Butoxide:

### Carcinogenicity/Oncogenicity:

Marginally higher incidents of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it highly unlikely that this product will result in carcinogenic effects.

### Carcinogenicity:

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Reproductive/Developmental Toxicity

Not Available.

### Teratogenicity

Not Available

### STOT – single exposure

Not Available

### STOT – repeated exposure

Not Available

### Chronic/Subchronic Toxicity Studies

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

### Target Organ Effects

Central nervous system, Eyes, Kidney, Respiratory system, Skin.

## 12. ECOLOGICAL INFORMATION

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### Ecotoxicity:

Not Available

### Persistence and degradability

Not available

### Bioaccumulation

Not available

### Chemical Name

Permethrin (552645-53-1)

White mineral oil, petroleum (8042-47-5)

### Partition coefficient; n-Octanol/Water

6.5

>6

### Other Adverse effects

Not available

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## 13. DISPOSAL CONSIDERATIONS

Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulation. For more information, see product label.

Contaminated packaging: For more information, see product label.

## 14. TRANSPORT INFORMATION

### DOT Classification

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid  
Hazard Class: Non-Hazardous  
UN Number: Not Available  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

### IMDG Classification

Proper Shipping Name: Not Available  
Hazard Class: Not Available  
UN Number: Not Available  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not Applicable

### IATA Classification

Proper Shipping Name: Insecticides, Insect or Animal Repellent, Liquid  
Hazard Class: Non-Hazardous  
UN Number: Not Available  
Packing Group: Not Applicable  
Label: Not Applicable  
Special Instructions: Not considered hazardous by IATA/ICAO regulations for transportation via air.

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## 15. REGULATORY INFORMATION

### Pesticide Registration

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

EPA Registration Number: 1021-1841-47000

EPA SARA Title III Classification

Section 311/312 Hazard Classes: Acute Health Hazard

Section 313 Toxic Chemicals: Piperonyl Butoxide (PBO, CAS No. 51-03-6)  
Permethrin (CAS No. 52645-53-1)

California Proposition 65: Not Applicable

CERLA/SARA 302 Reportable Quantity (RQ): None.

RCRA Hazardous Waste Classification (40 CFR 261): Not Applicable.

TSCA Status: Exempt from TSCA, subject to FIFRA

## 16. OTHER INFORMATION

### NFPA Hazard Ratings

Health: 2  
Flammability: 2  
Instability: 0  
Other:

### HMIS Hazard Ratings

Health: 2\*  
Flammability: 2  
Reactivity: 0  
Personal Protection: X

0 - Minimal  
1 - Slight  
2 - Moderate  
3 - Serious  
4 - Extreme  
\* - Chronic Health Hazard

For Non-Emergency Questions About This Product Call:  
1-800-621-8829  
Neogen Corporation  
Lexington, KY

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