

ShieldAll 6050

MATERIAL SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ShieldAll 6050

Product Description: Fire retardant coating

Supplier: Protective Chemistries Incorporated
PO Box 17396
Minneapolis, MN 55417

Emergency Telephone Number: 612-802-2579

Data Prepared: January 16, 2007

2. COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Zinc Oxide	1314-13-2	1 – 5%
Zinc Compounds	1332-07-6	10 – 20%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS Rating: Health--1, Flammability--0, Reactivity--0

POTENTIAL HEALTH EFFECTS

Swallowing: not an anticipated route of exposure.

May cause the following effects: abdominal discomfort, nausea, vomiting, or diarrhea.

Skin Absorption

No evidence of harmful effects from available information. May cause minor skin irritation and dermatitis.

Inhalation

Short-term harmful health effects are not expected from vapors generated at ambient temperature. May cause minor respiratory irritation.

Eye Contact

May cause mild discomfort, tearing and reddening.

Medical Conditions Aggravated by Overexposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material components suggest that overexposure is unlikely to aggravate existing medical conditions.

Other Effects of Overexposure

No adverse effects anticipated from available information.

POTENTIAL ENVIRONMENTAL EFFECTS

Carcinogens under OSHA, ADGIH, NTP or IARC: Does not contain any regulated levels.

4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Seek medical attention if symptoms develop.

Skin

Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-use.

Inhalation

Remove to fresh air. Obtain medical attention if symptoms persist.

Eye Contact

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention if discomfort persists.

5. FIRE-FIGHTING MEASURES

Flash Point: Non-flammable

Flammable Limits

Lower limit: Not available

Upper limit: Not available

Special Fire Fighting Procedures

None

Special Protective Equipment for Fire Fighters

Use self-contained breathing apparatus when fighting fires in enclosed areas.

Extinguishing Media

The product will only burn after all contained water is driven off, and then very slowly if ignition source is maintained. Use water spray, foam, dry chemical, or carbon dioxide.

Hazardous Combustion Products:

Carbon dioxide, carbon monoxide

Unusual Fire And Explosion Hazards

None known.



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear suitable protective equipment.

Environmental Precautions

Prevent runoff.

Methods for Cleaning Up

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

Keep spilled product out of sewers, watersheds, or water systems.

7. HANDLING AND STORAGE

Handling Precautions

Normal precautions should be followed in handling and use. Avoid unnecessary exposure.

Storage Precautions

Store in a cool, dry place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory Protection

None expected to be needed. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Hand Protection

Protective gloves.

Eye Protection

Safety glasses

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

EXPOSURE LIMITS

No exposure limits have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Beige
Odor	Neutral



OTHER PROPERTIES

Boiling point	Not established >212F (100C)
Melting point	Not established
pH	9.0 – 9.5
Specific gravity (H ₂ O=1)	1.35-1.45 at 25C
Vapor Pressure	Not established
Vapor Density	Heavier than air
Flash point	None
Upper explosion limits	Not available
Lower explosion limits	Not available
Percent volatiles	40-42% by weight

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Stability—Conditions to Avoid

Avoid temperatures: >480F(250C); <35F(2C)

Incompatible Materials

None currently known

Hazardous Combustion Products

Burning can produce the following combustion products:

Oxides of carbon.

Irritating and toxic fumes may occur at elevated temperatures.

Carbon monoxide is highly toxic if inhaled, carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Significant Data with Possible Relevance To Human Health

No information relevant to human health hazard evaluation is currently available.

12. ECOLOGICAL INFORMATION

No ecological information available.

13. DISPOSAL CONSIDERATIONS

General

Allow to dry out to solidify and dispose of in an approved landfill. Consult Federal, State, and local regulation for more restrictive regulations.



14. TRANSPORT INFORMATION

DOT Classification: Resin Compound
This product is not regulated by DOT.
Consult Bill of Lading for transportation information.

15. REGULATORY INFORMATION

Chemical Inventory
United States: The components of this product are all listed on the EPA-TSCA inventory

Federal Reporting
EPA SARA Title III Section 313
This product does contain the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72.

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>
Zinc Oxide	1314-13-2	1 – 5
Zinc Compounds	1332-07-6	10 – 20

16. OTHER INFORMATION

Recommended Uses and Restrictions
Please consult the product and/or application information bulletins for this product.