

MATERIAL SAFETY DATA SHEET



SOLARIS

DATE PREPARED: 08/03/1995

MSDS No: 3084

ORTHO® Pruning Sealer

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Pruning Sealer

PRODUCT DESCRIPTION: Pruning Sealer (Aerosol)

MANUFACTURER 24 HR. EMERGENCY TELEPHONE NUMBERS

The SOLARIS Group

of Monsanto Company

P.O. Box 5008

San Ramon, CA 94583-0808

Emergency Phone 800-454-2333

EPA REG. NO.: EX 50 PN: 1000-018

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS Registry #</u>
Oxidized Asphalt, Oxidized Asphalt	>60	64742-93-4
INERT INGREDIENTS	~ 52.0	

"Inert Ingredients" is a term defined by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act (40 CFR 8.153). It refers to any substance, other than an active ingredient, which is intentionally added to a pesticide product. Some inert ingredients may be hazardous chemicals, as defined by the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). The hazards associated with these inert ingredients have been included in this document.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Thick, black liquid in aerosol canister

IMMEDIATE CONCERNS: HARMFUL IF SWALLOWED

- AVOID CONTACT WITH EYES, SKIN OR CLOTHING
- EXTREMELY FLAMMABLE
- CONTENTS UNDER PRESSURE
- KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: The eye irritation potential of this substance has not been determined. However, it may produce slight eye irritation, e.g. discomfort, redness, swelling and blurred vision.

SKIN: The skin irritation potential of this substance has not been determined. However, based on data from similar material, it may be a moderate skin irritant. Symptoms may include discomfort, redness, swelling and possibly blistering. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

INGESTION: The systemic toxicity of this substance has not been determined. However, based on data from similar material, it should be practically non-toxic to internal organs if swallowed.

INHALATION: The systemic toxicity of the concentrated product has not been determined. However, based on data from similar material, the diluted product is considered practically non-toxic to internal organs if inhaled.

4. FIRST AID MEASURES

EYES: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Call a physician if irritation persists.

SKIN: Wash skin with white mineral oil. Wipe off excess and wash thoroughly with soap and water. If irritation occurs, see a doctor.

INGESTION: If swallowed, immediately telephone a poison control center, emergency treatment center or a physician for advice. DO NOT take person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then immediately take person and product container, with label, to an emergency treatment center.

INHALATION: If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

ADDITIONAL INFORMATION Medical Information: Call day or night, 1-800-454-2333 OR 1-800-457-2022.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD >100°F TAG CC

AUTOIGNITION TEMPERATURE No Data Available

FLAMMABLE CLASS:N.F.P.A (Code 30B) Level III Aerosol

EXTINGUISHING MEDIA:CO2, Dry Chemical, Foam and Water Fog.

HAZARDOUS COMBUSTION PRODUCTS:No data available.

FIRE FIGHTING PROCEDURES:This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. For fires involving this material, do not enter any enclosed fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:Soak up spilled material with paper towels or other absorbent material and discard in trash. Product is highly flammable. Keep sources of ignition away from spill.

LARGE SPILL:Eliminate all sources of ignition in vicinity of spill or released vapor.

Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent material. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water.

For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions.

Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of.

Do not contaminate water, foodstuffs or feed by storage or disposal.

GENERAL PROCEDURES:Observe all protection and safety precautions when cleaning up spills -- see Section 8. "EXPOSURE CONTROLS/PERSONAL PROTECTION". For help with any spill, leak, fire or exposure involving this material, call day or night (800) 454-2333.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Store in accordance with NFP 30B for a Level III aerosol. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED

AREA. CONTAINER UNDER PRESSURE. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not puncture, incinerate or store above 130°F. Do not use on household pets or humans.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS No special ventilation is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

PERSONAL PROTECTION

EYES AND FACE For application of product in accordance with label instructions, no special eye protection is needed.

Handling of the product is not likely to present an eye exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which could cause eye contact, workers should wear goggles or a face shield.

SKIN: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including chemical resistant gloves.

RESPIRATORY Handling of the product is not likely to present an airborne exposure concern during normal handling. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy mist, workers should put on respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH or the manufacturer.

For application of product in accordance with label instructions, no special respiratory protection is required.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>EXPOSURE LIMITS</u>	
		<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Oxidized Asphalt	5 mg/m ³		
Stoddard solvent	100 ppm		
1,1,1-Trichloroethane	1900 mg/m ³	350 ppm	
Propane	1800 mg/m ³		

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

APPEARANCE: Thick, black liquid in aerosol canister

pH: Not Applicable

PERCENT VOLATILE:No Data Available

VAPOR PRESSURE:No Data Available

VAPOR DENSITY:No data Available

BOILING POINT:No Data Available

FREEZING POINT:No Data Available

MELTING POINT:No Data Available

SOLUBILITY IN WATER:Insoluble

EVAPORATION RATE:No Data Available

SPECIFIC GRAVITY:0.964 gr/cc at 20°C

VISCOSITY:No Data Available

10. STABILITY AND REACTIVITY

STABLE:YES

HAZARDOUS POLYMERIZATION:NO

CONDITIONS TO AVOID:Avoid contact with temps. above 130F. Contents under pressure.

HAZARDOUS DECOMPOSITION:No Data Available

INCOMPATIBLE MATERIALS:May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS:No product toxicology data available. The hazard evaluation was based on data on the components.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:No data available.

ECOTOXICOLOGICAL INFORMATION:No data available.

13. DISPOSAL CONSIDERATIONS

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FOR LARGE SPILLS:Material collected that cannot be chemically reprocessed should be disposed of in a landfill approved for disposal in accordance with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

PRODUCT DISPOSAL:The Solaris Group is committed to responsible environmental practices and recommends that all of the product be used up, carefully following all label directions and precautions.

If necessary to dispose of partially filled product containers, then replace cap and discard in the trash. Do not incinerate, puncture or discard in household trash compactor.

EMPTY CONTAINER:Replace cap and discard container in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION:ORM-D

UN/NA NUMBER:NONE

PACKING GROUP:NO

U.S. SURFACE FREIGHT CLASS:NMFC NBR. 102120

AIR (ICAO/IATA)

PROPER SHIPPING NAME:Consumer Commodity

SPECIAL SHIPPING NOTES:The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: YES	REACTIVITY: NO	PRESSURE GENERATING: YES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY:All components are on the US EPA's TSCA Inventory List.

16. OTHER INFORMATION

HMIS CODES

FIRE: 4 **HEALTH:** 1 **REACTIVITY:** 0 **PROTECTION:-**

NFPA CODES

FIRE: 4 **HEALTH:** 1 **REACTIVITY:** 0 **SPECIAL:-**

APPROVAL DATE: 09/12/1995

REVISION SUMMARY: New MSDS

COMMENTS: For additional information concerning this product, call the SOLARIS Groups Consumer Helpline at 800-225-2883.

MANUFACTURER DISCLAIMER: This Material Safety Data Sheet (MSDS) contains health, safety and environmental information for you and your employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label. Information contained in this MSDS will help you to prepare for emergency response and to meet community right-to-know emergency response and reporting requirements under SARA Title III and many other laws. Emergency response agencies and health care providers will also find this additional information useful.

Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved label copy. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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