

# MATERIAL SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**PRODUCT:** Astro-Mulch

**MANUFACTURER:** Thermo-Kool of Alaska, Inc.  
4191 E Dimond Way  
Wasilla Alaska 99654

**TELEPHONE NUMBER:** 907-376-3644  
**EMERGENCY TELEPHONE NUMBER:** 907-440-9416

**MSDS DATE OF REVISION:** 3/3/04

## SECTION 2: PRODUCT COMPONENTS

COMPONENT	AMOUNT	CAS#	EXPOSURE LIMITS
Cellulose Material) (from recycled newsprint	99-100%	Mixture	PEL – 5 mg/m <sup>3</sup> TWA (respirable fraction) PEL – 15 mg/m <sup>3</sup> TWA (total dust) TLV- 10 mg/m <sup>3</sup> TWA

## SECTION 3: HAZARDS IDENTIFICATION

This product is a green, fibrous material with no odor.

### EMERGENCY OVERVIEW

High concentrations of dust in the air may present a fire and explosion hazard. May cause mechanical eye irritation. Inhalation of high concentrations of dust may cause mucous membrane and respiratory irritation. Prolonged overexposure to any respirable dust may cause effects on the lungs.

### POTENTIAL HEALTH EFFECTS:

PRIMARY ROUTES OF EXPOSURE: Eye, inhalation

INGESTION: This product is not acutely toxic. Swallowing large amounts may cause nausea.

INHALATION: Inhalation of high concentrations of dust may cause mucous membrane and respiratory irritation with cough, sore throat, nasal congestion, sneezing and shortness of breath.

EYE: May cause mechanical eye irritation with redness, tearing and redness.

SKIN: No adverse effects expected from normal use conditions.

CHRONIC EFFECTS: Repeated inhalation of large amounts of respirable dust over an extended period of time may result adverse lung effects. Symptoms include coughing, shortness of breath, chest pain and reduced lung function.

CARCINOGENICITY: None of the components of this product are listed as a carcinogen or suspect carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory disorders or subject to eye irritation may be aggravated from exposure to dust.

## SECTION 4: FIRST AID MEASURES

EYE: Immediately flush eyes with large amounts of water. Hold eyelids apart to ensure rinsing the entire surface of the eye with water. Avoid rubbing the eyes as this may result in further irritation. Get medical attention if irritation persists.

SKIN: No first aid should be needed since this product does not affect the skin. Wash exposed skin with soap and water.



HAZARDOUS DECOMPOSITION: Oxides of carbon.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

Cellulose Material: No data available

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**SECTION 12: ECOLOGICAL INFORMATION**

No ecotoxicity data is available. This product is not expected to present an environmental hazard.

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**SECTION 13: DISPOSAL INFORMATION**

Dispose in accordance with local, state and federal regulations.

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**SECTION 14: TRANSPORT INFORMATION**

DOT HAZARD CLASSIFICATION: Not Regulated.

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**SECTION 15: REGULATORY INFORMATION**

EPA SARA 311 HAZARD CLASSIFICATION: Not hazardous  
HAZARDOUS SUBSTANCE (40CFR 116) CERCLA: Not Applicable  
REPORTABLE QUANTITY: Not Applicable

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**SECTION 16: OTHER INFORMATION**

<u>NFPA Rating:</u>	Health - 0	Flammability - 1	Reactivity - 0
<u>HMIS Rating:</u>	Health - 0	Flammability - 1	Reactivity - 0