

SMOKE CHIPS MATERIAL SAFETY DATA SHEET: 223.9802.100

PRODUCT: WOOD BITS

Importer Name & Address: Saey Home & Garden nv.
Mailing Address: Industrielaan 4, B-8501 Kortrijk-Heule
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Wood Types: Mesquite, Hickory, Apple, Oak

I. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Chemical or Common Name Name/CAS	Percent	Exposure Limits
Wood Bits	100	OSHA OEL-TWA None

OSHA OEL (Occupational Safety & Health Administration Occupational Exposure Limits)
TWA (Time Weighted Average)

APPEARANCE AND ODOR

Wood Bits generated from sawing and separation of hand cut natural hardwoods. Particles have slight variations in aromatic odor depending on species.

II. PHYSICAL/CHEMICAL CHARACTERISTICS

Melting Point (°F or °C)	N/A
Boiling Point (°F or °C)	N/A
Vapor Pressure (mm Jg)	N/A
Vapor Density (AIR = 1)	N/A
Specific Gravity (H ₂ O =1)	Range 0.4 to 0.8
Evaporation Rate (Butyl Acetate =1)	N/A
Solubility in Water	<0.1%
% Volatile by Volume @ 70° F	0%

III. FIRE AND EXPLOSION DATA

Flash Point	N/A
Flammable limits:	N/A
Extinguishing Media	Water, Carbon Dioxide, Dry Chemical (Ammonium Phosphate), Sand
Auto ignition Temperature	400-500° F
Special Conditions	Use water to wet wood and reduce dust. Remove burned, charred, or wet wood particles to open and secured area after fire is extinguished.

*UNUSUAL FIRE AND EXPLOSION HAZARDS

Depending on moisture content and more importantly, particle diameter, wood dust may explode. An airborne, concentration of 40 grams of dust per cubic meter or air is often used as the lower explosive limit for wood dusts.

IV. REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None

IV. REACTIVITY DATA (Continued)

Incompatibility (Materials to Avoid): Avoid contact with oxidizing agents. Avoid open flame. Product may ignite at temperatures in excess of 400° F.

1. HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Thermal decomposition products include: carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None

V. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Not Applicable for product in purchased form.

Wood dust may be vacuumed or shoveled for recovery or disposal. Avoid dusty conditions and provide good ventilation. Use NIOSH/MSHA approved respirator and goggles where ventilation is not possible.

Waste Disposal Method:

If disposed or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most cases. It is, however, the user's responsibility to determine at the time of disposal whether your product meets your local criteria for hazardous waste. Follow applicable federal, state, or local requirements.

Precautions to be taken in Handling and Storage:

No special handling precautions are required. Keep in cool, dry place away from open flame.

Other Precautions:

An approved respirator and goggles should be worn when the allowable exposure limits may be exceeded.

VI. HEALTH HAZARD DATA

Primary Route(s) of Exposure: Ingestion - None
 Skin -Dust
 Inhalation - Dust

Acute Health Hazard: Symptoms of exposure/Emergency & First Aid Procedures
 INGESTION: Not Applicable under normal use.

EYE CONTACT: Wood dust may cause mechanical irritation.
Treat dust in eye as foreign object. Flush with water to remove dust particle. Get medical attention if irritation persists.

SKIN CONTACT: Wood dust can elicit allergic contact dermatitis in sensitized individuals, as well as, mechanical irritation resulting in erythema and hives. Get medical help if rash, irritation or dermatitis persists.

SKIN ABSORPTION: Not known to occur under normal use.

INHALATION: Wood dust may cause unpleasant deposit/obstruction in nasal passages, resulting in dryness of nose, dry cough, and headaches. Remove to fresh air; get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

VI. HEALTH HAZARD DATA (Continued)

Medical Conditions Generally Aggravated by Exposure: Wood dust(s) may aggravate pre-existing respiratory conditions or allergies.

Chronic Health Hazards: Wood dust, depending on the species, may cause dermatitis on prolonged, repetitive contact; respiratory sensitization after prolonged exposure to elevated dust levels. Wood dust has been alleged to cause nasal/paranasal sinus cancer (particularly certain hardwoods, oak and beech).

Carcinogenicity Listing: Wood dust is not listed as a carcinogen by IARC, NIP, NCGIN, or OSHA.

VII. CONTROL MEASURES

Personal Protective Equipment:

RESPIRATORY PROTECTION: Not Applicable for product in purchased form. An approved respirator and goggles are recommended when the allowable exposure limits may be exceeded.

PROTECTIVE GLOVES: Not required. Cloth, canvas, or leather gloves are recommended.

EYE PROTECTION: Not applicable for product in purchased form. Goggles or safety glasses are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

Work/Hygienic Practices:

Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of this combustible material. Minimize blow down or other practices, which generate high airborne dust concentrations.

Ventilation:

LOCAL EXHAUST: Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (General): Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

SPECIAL: Self-Contained Breathing Apparatus (SCBA) is recommended when fighting fire.

VIII. USER'S RESPONSIBILITY

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

End of MSDS.

Additional:

In regards to Hazardous Decomposition information, US wood chip products normally have the following warning on their products:

WARNING: Combustion of wood product results in the emissions of carbon monoxide, soot, and other combustion byproducts which are known to the State of California to cause cancer and reproductive toxicity.



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