

HIGH GRADE CEL-FIBER™**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: HIGH GRADE CEL-FIBER™

Synonyms: Recycled Cellulose/Paper

Company Identification: Monarch Green, Inc.®
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www.monarchgreen.com
877-500-7745 ext. 1

2. COMPOSITION / INFORMATION ON INGREDIENTS**CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS**

High Grade Recycled Cellulose/Paper contains over 99 percent by weight newsprint processed into cellulose fiber, CAS#65996-61-4. This product contains less than 0.5 percent by weight triphenylmethane dye. Triphenylmethane dye is added to color the mulch. **This product is not considered hazardous under the criteria of Federal OSHA Hazard Communication Standard 29CFR 1910.1220.**

California Prop 65: This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

HIGH GRADE PAPER MULCH IS A GREEN FLUFFY CELLULOSIC FIBER MATERIAL WITH A SLIGHT VINEGAR ODOR. THIS PRODUCT MAY BE COMBUSTIBLE IF EXPOSED TO TEMPERATURES OVER 180°F, AND CAN BE EXTINGUISHED WITH WATER OR ANY STANDARD EXTINGUISHING AGENT. HIGH GRADE PAPER MULCH PRESENTS LITTLE OR NO HAZARD.

POTENTIAL HEALTH EFFECTS

Routes of Entry: Inhalation is the most significant route of exposure in occupational and other settings.

Target Organs: Respiratory System

Inhalation: Occasional mild irritation of nose and throat may occur from inhalation of mulch dusts at levels greater than 10 mg/m³.

Ingestion: High Grade Recycled Cellulose/Paper is not intended for ingestion. Small amounts swallowed are not likely to cause effects; swallowing larger amounts may cause gastrointestinal symptoms.

Skin Contact: High Grade Recycled Cellulose/Paper does not cause irritation to intact skin.

Eye Contact: High Grade Recycled Cellulose/Paper is non-irritating to eyes in normal use.

Chronic Exposure: None known.

Aggravation of Pre-existing Conditions: None known.

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4. FIRST AID MEASURES

Inhalation First Aid: Prolonged exposure to dust levels in excess of regulatory limits should always be avoided. If irritation or difficulty breathing occurs, remove victim to fresh air and provide oxygen if necessary. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention if difficulty persists.

Skin Contact First Aid: Wash with soap and water after handling.

Eye Contact First Aid: If contact with eyes, flush with fresh water for several minutes. If irritation persists, seek medical attention.

Ingestion First Aid: If swallowed, rinse mouth with water and give four glasses of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if needed.

Note to Physicians: Treat symptoms.

5. FIRE FIGHTING MEASURES

Flammable Properties: Combustible

Auto Ignition Temperature: No data

Flash Point: No data

Flammable Limits in Air, % by Volume: lel: NE; uel: NE

Extinguishing Media: Water or other standard media

Fire & Explosion Hazards: May be combustible above 180°F

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Procedures: Vacuum, shovel or sweep up mulch and place in containers for reuse, recycling or disposal. Always dispose of waste materials in accordance with all local, state and federal regulations.

7. HANDLING AND STORAGE

Recommended Storage Conditions: Store in a cool, dry, well-ventilated location away from heat or ignition source.

Handling (Personnel): Handle in accordance with good industrial hygiene and safety practices.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: See Section 2 above.

Cellulose Fiber: OSHA Permissible Exposure Limit (PEL), 10 mg/m³ (TWA).

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits.

Personal Respirators (NIOSH Approved): Required if the exposure limit is exceeded and engineering controls are not feasible.

Skin Protection: No special protection required.

Eye Protection: Wear safety glasses in high dust areas.

Good Hygiene Conditions: Wash with soap and water before meals and at the end of each work shift. Good practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: Slight Vinegar Odor

Specific Gravity: NE (Water = 1)

Auto Ignition Temperature: NE

pH: 5 – 7

10. STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage
Conditions to Avoid:	Heat, flame ignition sources
Hazardous Polymerization:	Will not occur
Incompatibility with Other Materials:	Not recommended for use with caustic materials
Hazardous Decomposition:	None

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

<u>Ingredient</u>	<i>Cancer Lists</i>		<i>NTP Carcinogen</i>	
	<u>Known</u>	<u>Anticipated</u>	<u>Anticipated</u>	<u>IARC Category</u>
Cellulose Fiber	No	No	No	None

12. ECOLOGICAL INFORMATION

Environmental Fate: This material is expected to have a low environmental impact.

Environmental Toxicity: This material is not expected to be toxic to aquatic life.

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13. DISPOSAL CONSIDERATIONS

Waste Disposal: Recover, reclaim or recycle when practical. Dispose of material in accordance with federal, state and local requirements.

14. TRANSPORTATION INFORMATION

This product is not regulated by the U.S. Department of Transportation.

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Federal, State & International Regulations – Part 1

Ingredient	-SARA 301-		-SARA 313-	
	RQ	TPQ	List	Chemical Catalog
Cellulose Fiber	NO	NO	NO	NO

Federal, State & International Regulations – Part 2

Ingredient	CERCLA	-RCRA-	-TSCA-
		261.33	8(d)
Cellulose Fiber	NO	NO	NO

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No Reactivity: No (Pure/Liquid)

Prop 65 – Warning: THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

RCRA 40 CFR: None

16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004).

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF MSDS