Established on May 6, 2004

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

COMPANY NAME	:	HAKKO CORPORATION
ADDRESS	:	4-5, Shiokusa 2-chome, Naniwa-ku, Osaka 556-0024 Japan
SECTION IN CHARGE	:	Research & Development Division
PERSON IN CHARGE	:	Makoto Onda
EMERGENCY TELEPHONE NUMBER	:	81-6-6561-3225
PERSON IN CHARGE	:	Sales Division

PRODUCT NAME: Cleaning Sponge

MODEL: No.A1042

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Cellulose sponge
Content	100%
Chemical Formula	$(C_6H_{10}O_5)_n$ (standard molecular formula)
CAS No.	9004-34-6
UN Classification/UN No.	N/A
PRTR Law	N/A

* The content shows the value measured before sponge is used.

3. HAZARDS IDENTIFICATION

TOXONOMIC GROUP NAME	:	N/A
DANGEROUSNESS	:	Flammable substance in a dry state; ignited if there is an ignition source, but not spontaneously ignited in the normal state.
TOXICITY	:	May cause chapping if this product makes contact with the skin for long hours before washing.
ENVIRONMENTAL EFFECTS	:	Acceptable biodegradability.

4. FIRST-AID MEASURES

IF IN EYES	:	Rinse immediately with plenty of water. If discomfort is still felt, obtain medical attention.
IF ON SKIN	:	If the skin is irritated, wash off with soap and water. If red skin or irritation occurs, obtain medical attention.
IF INHALED	:	N/A
IF INGESTED	:	Vomit as much as possible. If discomfort is still felt, obtain medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	:	Extinguishing powder, carbon dioxide gas, or fire foam.
EXTINGUISHING PROCEDURES	:	Extinguishing with water is recommended. Use the same extinguishing procedure as used for general fire.

6. ACCIDENTAL RELEASE MEASURES

If spilled over a road or floor, recover with broom or vacuum cleaner.

7. HANDLING AND STORAGE

HANDLING	:	Handle so as not to give any physical damage.
STORAGE	:	The normal storage method is acceptable, but take care not to give physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

STANDARD CONTROL CONCENTRATION		:	-
ALLOWABLE CONCENTRATION		:	-
FACILITIES CONTOROL MEASURES		:	-
PROTECTIVE GEAR	Protective goggles	:	Use protective goggles if sponge chips are likely to fly during cutting or the like.
	Protective gloves	:	Use protective gloves, as necessary, during cutting, punching, packaging, or the like.
	Protective wear	:	Use protective gear such as safety shoes and safety helmet as appropriate.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Colored elastic solid with very small pores and moisture
Solubility	:	Insoluble in water.

10. STABILITY AND REACTIVITY

FLASH POINT	**:** N/A
COMBUSTIBILITY	**:** Yes (in dry state)
IGNITABILITY	**:** None
ACIDITY	**:** None
SELF-REACTIVITY AND EXPLOSIBILITY	**:** None
STABILITY AND REACTIVITY	**:**Stable at room temperature without reactivity when present alone.

11. TOXICOLOGICAL INFORMATION

Data not available.

12. ECOLOGICAL INFORMATION

DEGRADABILITY	**:**	Degradable with bacteria in the ground (into carbon dioxide and water).
CUMMULATIVE EFFECTS	**:**	Data not available.
FISH TOXICITY	**:**	Data not available.

13. DISPOSAL CONSIDERATIONS

Not hazardous waste.

When incinerated, the product is decomposed into carbon dioxide and water without generating harmful gas since it is of plant origin.

When buried in the ground, the product is degraded with bacteria. Therefore, it may be disposed of by the same landfill procedure as used for general waste.

If solder is attached to the disposed sponge, it may melt out depending upon the environmental conditions.

14. TRANSPORTATION INFORMATION

During transportation, pay careful attention to prevent wetting and ensure that no loaded carton cases tumble, fall, or are damaged.

15. REGULATORY INFORMATION

PRTR LAW	**:**	N/A

16. OTHER INFORMATION

MSDS from the manufacturer.

This document has been prepared based on the information and data that are available as of this data. Therefore, it may be revised when new information or data has been obtained.

The information and data contained herein are subject to the normal use. The evaluation of dangerousness and toxicity is, therefore, not always applicable. For this reason, the safety precautions suitable for your purpose and method must be taken prior to the use.