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Material Safety Data Sheet

SECTION I – PRODUCT IDENTIFICATION AND USES

Product name	SODIUM CARBOXY METHYL CELLULOSE, also NaCMC, CMC or SCMC
Applications	This product has a wide range of applications; it can be used as a thickener, a water-retaining agent, an emulsifier and a lubricant in varied fields such as constructions, textile, dyeing & printing industries and well drilling etc... Iso used for foodstuff applications.
Sales representative	LMS Canada

SECTION II – CHEMICAL INGREDIENTS

Main ingredient	Sodium Carboxy Methyl Cellulose, the general formula: Cell–O–CH ₂ –COONa
M.W.	Varies
Product grade	There are industrial grade, patrol grade, foodstuff grade and medical grade etc...

SECTION III – PHYSICAL & CHEMICAL DATA

Physical state	Solid
Appearance	white or off-white, dry powder or particles
Odour	Slight marine
Vapor pressure	N/A
Vapor density (Air =1)	N/A
Melting point	300 °C
Evaporation rate	N/A
pH value	6.0 – 11.5 adjustable depending on product grades
Special gravity	0.75

SECTION IV – FIRE AND EXPLOSION

Flammability	Low
Flashpoint	N/A
Auto-ignition temperature	Approx 420 °C
Fire and explosion hazards	The accumulation of excessive dust on overhead structure may produce explosive concentrations when disturbed and dispersed.
Means of extinction	Foam, water, carbon dioxide
Fire fighting procedures	For fires involving this material, do not enter any enclosed or confined fire space without wear full protective clothing and self-contained breathing apparatus approved for fire fighting. It is necessary to

protect against the hazards of heat, products of combustion and oxygen deficiency. Avoid breathing smoke, gases or vapor generated.

SECTION V – STABILITY AND REACTIVITY

Chemical stability	Stable
Solubility	Freely soluble in cold or hot water
Reactivity, and under what conditions	Will react with some salt such as aluminum salt

SECTION VI – TOXICOLOGICAL PROPERTIES

Skin contact	No data available
Eye contact	May cause light swelling to eyes.
Inhalation	May cause difficulties on breath while inhaling excessive amount.
Ingestion	No data available

Acute effects from overexposure

This product is expected to have low oral and inhalation toxicity. It is expected to be non-irritating to eyes and skin, non-sensitizing to skin either. However, prolonged skin exposure or eye contact, and inhalation of excessive amount should be still avoided as they may cause irritations. The exposure limit of China (TWA) is 10 mg/m³.

SECTION VII – PREVENTIVE MEASURES

Personal protective gear	No special clothing is required.
Hand	No special gloves required.
Eye	Wherever airborne dust concentrations are high, appropriate protection eyewear, such as goggles, should be worn to protect eye contact.
Other	Wherever dust in workplace can not be controlled with ventilation or other engineering means, or prolonged hours of working with the products are unavoidable, respirators or dust masks approved to relevant regulations should be worn to protect against airborne dust.

SECTION VIII – FIRST AID MEASURES

Skin	Wash with plenty of soap and water.
Eye	Hold eyelids open, flush continuously with running water or sterile saline solution for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
Inhalation	Remove victim to fresh air. If breathing difficulty or discomfort occurs and persists, seek for medical advice.
Ingestion	In case emergency happens, give plenty of water to drink. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.
Other	Eye wash facilities and potable water should be available at workplace.

SECTION IX – STORAGE, SHIPPING & DISPOSAL

Spillage and waste disposal

No special disposal methods are suggested. Sweeps spilled material and dispose it in compliance with applicable worksite and local

environmental rules and regulations.

Handling procedures and equipment

Maintain good housekeeping practices to minimize accumulation of settled dust, especially on overhead surfaces. Powder becomes slippery when wet. Proper footwear is required when handling material under wet conditions. Always use safe technique when manually moving containers.

Packing and shipping information

No special requirement.

Storage requirement

To protect quality, store in tight containers with proper labels in dry place. Avoid to exposure to excessive heat.

Keep locked up and out of reach of children.

SECTION X – PREPARATION OF MSDS**Prepared and translated by**

LMS Canada

Last update

June, 2006

Note: The information in this Material Safety Data Sheet associates only to the specific material designated herein and does not apply to uses in combination with any other materials or for any other processes. The information given is based on technical data provided by the manufacturers and those publications available when compiling/updating document and we believed to be reliable. It is subject to change or update without notice. Because conditions of applications vary and are beyond our control, it is users' responsibility to obtain safety data for combinations with other materials, or for applications in other processes. Always follow local safety regulations applicable on erection sites.