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**St. Lawrence Chemical Inc.**

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**ALL AQUALON CMC CELLULOSE GUM**

Prod: SLC0691



**Section 1: MANUFACTURER INFORMATION**

**MANUFACTURER/SUPPLIER:** HERCULES INCORPORATED  
AQUALON DIVISION  
1313 NORTH MARKET STREET  
WILMINGTON, DE  
19894.

**SUPPLIER 24 HOUR PHONE  
NUMBER:** 905-848-8888.

**CHEMICAL FAMILY:** CELLULOSE.

**PRODUCT USES:** INDUSTRIAL MANUFACTURING.

**REVISIONS:** SECTIONS 1, 4, 6, 7, 9.

**ISSUE #:** 002

**REVISION DATE:** 2003/01/23.

**HAZARD RATING**

**HEALTH:** 1

**FIRE:** 1

**REACTIVITY:** 0

**Section 2: HAZARDOUS INGREDIENTS**

Ingredient Name	CONCENTRATION %	T.L.V.	C.A.S.	LD/50	LC/50
NON HAZARDOUS INGREDIENTS					

**Section 3: PHYSICAL DATA**

**PHYSICAL STATE:** SOLID

**APPEARANCE & ODOR:** ODOURLESS.  
WHITE TO OFF-WHITE.  
GRANULAR POWDER.

**ODOR THRESHOLD (PPM):** NOT AVAILABLE.  
**PH (AS IS):** NOT AVAILABLE.  
**SPECIFIC GRAVITY (WATER=1) @ 20OC:** 1.59  
**BOILING POINT °C:** NOT APPLICABLE.  
**VAPOUR PRESSURE (MM HG):** NOT APPLICABLE.  
**VAPOUR DENSITY (AIR=1):** NOT APPLICABLE.  
**FREEZING POINT:** NOT APPLICABLE.  
**EVAPORATION RATE (BUTYL ACETATE = 1):** NOT APPLICABLE.  
**VOLATILES BY VOLUME:** NEGLIGIBLE.  
@20°C.  
**SOLUBILITY IN WATER (%):** LIMITED.  
**COEFFICIENT OF WATER/OIL DISTRIBUTION:** NOT AVAILABLE.

<b>Section 4: FIRE &amp; EXPLOSION DATA</b>
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**FLAMMABILITY:** NOT FLAMMABLE.  
**CONDITIONS OF FLAMMABILITY:** DUST SUSPENDED IN AIR POSES A FIRE AND EXPLOSION HAZARD.  
**EXTINGUISHING MEDIA:** FOAM  
WATER SPRAY, DRY CHEMICAL OR CARBON DIOXIDE.  
**SPECIAL PROCEDURES:** FIREFIGHTERS SHOULD WEAR THE USUAL PROTECTIVE GEAR.  
WEAR A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.  
**FLASH POINT (C), METHOD:** NONE  
**AUTOIGNITION TEMPERATURE:** > 370°C.  
**UPPER FLAMMABLE LIMIT (% VOL):** NOT APPLICABLE.  
**LOWER FLAMMABLE LIMIT (% VOL):** NOT APPLICABLE.  
**SENSITIVITY TO STATIC DISCHARGE:** TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
**SENSITIVITY TO IMPACT:** NOT APPLICABLE.  
**RATE OF BURNING:** NOT APPLICABLE.  
**EXPLOSIVE POWER:** DUST MAY FORM EXPLOSIVE MIXTURE WITH AIR.  
**HAZARDOUS COMBUSTION PRODUCTS:** CARBON MONOXIDE.  
CARBON DIOXIDE.  
SMOKE  
**T.D.G. FLAMMABILITY CLASS:** NOT APPLICABLE.

**Section 5: REACTIVITY DATA**

<b>CHEMICAL STABILITY:</b>	PRODUCT IS STABLE IN NON-EMERGENCY CONDITIONS.
<b>CONDITIONS OF INSTABILITY:</b>	NONE KNOWN.
<b>HAZARDOUS POLYMERIZATION:</b>	WILL NOT OCCUR.
<b>INCOMPATIBLE SUBSTANCES:</b>	NONE KNOWN.
<b>REACTIVITY, UNDER WHICH CONDITIONS?:</b>	NONE KNOWN.
<b>HAZARDOUS PRODUCTS OF DECOMPOSITION:</b>	SEE HAZARDOUS PRODUCTS OF COMBUSTION SECTION 4.

**Section 6: TOXICOLOGICAL PROPERTIES**

<b>ROUTE OF ENTRY:</b>	INHALATION.
<b>EFFECTS OF ACUTE EXPOSURE</b>	
<b>EYE CONTACT:</b>	MAY CAUSE MILD IRRITATION.
<b>SKIN CONTACT:</b>	DUST MAY CAUSE MECHANICAL IRRITATION.
<b>SKIN ABSORPTION:</b>	NOT AVAILABLE.
<b>INHALATION:</b>	DUST MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT.
<b>INGESTION:</b>	MAY BE HARMFUL IF SWALLOWED.
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	MAY CAUSE ALLERGIC REACTION. PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS.
<b>LD 50 OF MATERIAL, SPECIES &amp; ROUTE:</b>	NOT AVAILABLE.
<b>LC 50 OF MATERIAL, SPECIES &amp; ROUTE:</b>	NOT AVAILABLE.
<b>EXPOSURE LIMIT OF MATERIAL:</b>	10 MG/M3 (INHALABLE), 3 MG/M3 (RESPIRABLE).
<b>IRRITANCY OF MATERIAL:</b>	LOW IRRITANT TO THE EYES OF A RABBIT.
<b>SENSITIZING CAPABILITY OF MATERIAL:</b>	NOT AVAILABLE.
<b>CARCINOGENIC EFFECTS:</b>	NOT LISTED AS A CARCINOGEN.
<b>REPRODUCTIVE EFFECTS:</b>	NOT AVAILABLE.
<b>TERATOGENICITY:</b>	NOT AVAILABLE.
<b>MUTAGENICITY:</b>	NOT CLASSIFIED AS A MUTAGEN.
<b>SYNERGISTIC MATERIALS:</b>	NOT AVAILABLE.

## Section 7: PREVENTATIVE MEASURES

### PERSONAL PROTECTION

**GLOVES/TYPE:** WEAR IMPERVIOUS GLOVES.

**RESPIRATORY/TYPE:** NIOSH APPROVED DUST RESPIRATOR IF NEEDED.

**EYE/TYPE:** SAFETY GLASSES.

**FOOTWEAR/TYPE:** SAFETY BOOTS PER LOCAL REGULATIONS.

**CLOTHING/TYPE:** WEAR ADEQUATE PROTECTIVE CLOTHING.

**OTHER/TYPE:** EYE WASH FACILITY SHOULD BE IN CLOSE PROXIMITY.  
WASH HANDS PRIOR TO SMOKING AND CONSUMING FOOD.

**VENTILATION REQUIREMENTS:** LOCAL EXHAUST AT POINTS OF EMISSION.

**LEAK/SPILL:** AVOID DUST ACCUMULATION.  
VENTILATE AREA.  
SURFACE CAN BE SLIPPERY.  
WEAR ADEQUATE PROTECTIVE CLOTHING AND EQUIPMENT.  
SWEEP UP OR SHOVEL INTO DISPOSAL CONTAINERS.  
IF PRODUCT IS CONTAMINATED, SCOOP INTO CONTAINERS, AND  
DISPOSE APPROPRIATELY.  
MATERIAL MAY BECOME SLIPPERY WHEN WET.

**WASTE DISPOSAL:** IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL  
REGULATIONS.  
FOLLOW COMPANY POLICIES AND PROCEDURES.

**HANDLING PROCEDURES AND EQUIPMENT:** MAINTAIN A GOOD PERSONAL HYGIENE.  
HANDLE AND OPEN CONTAINER WITH CARE.  
THIS PRODUCT MUST BE MANIPULATED BY QUALIFIED PERSONNEL.  
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.  
AVOID BREATHING DUST.  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
DO NOT EAT, DRINK OR SMOKE WHILE HANDLING THIS PRODUCT.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.  
USE PROPER GROUNDING PROCEDURES.  
AVOID DUST ACCUMULATIONS.  
GROUND ALL CONTAINERS DURING TRANSFER.  
WASH THOROUGHLY AFTER USING, PARTICULARLY BEFORE EATING  
OR SMOKING.  
BLANKET VESSEL WITH INERT GAS WHEN EMPTYING BAGS WHERE  
FLAMMABLE VAPORS MAY BE PRESENT.

**STORAGE NEEDS:** STORE AWAY FROM ALL SOURCES OF HEAT AND IGNITION.  
KEEP OUT OF DIRECT SUNLIGHT.  
KEEP CONTAINER CLOSED WHEN NOT IN USE.  
STORE IN A COOL, DRY AND WELL VENTILATED AREA.  
STORE AWAY FROM FOOD AND BEVERAGES.

**SPECIAL SHIPPING INSTRUCTIONS:** NOT REGULATED.

**Section 8: FIRST AID MEASURES**

**SKIN CONTACT:** WASH WITH WATER AND MILD SOAP FOR AT LEAST 15 MINUTES.  
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

**EYE CONTACT:** FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.  
REMOVE CONTACT LENSES IF WORN.  
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

**INHALATION:** REMOVE TO FRESH AIR.  
IF BREATHING IS DIFFICULT, CONSULT A PHYSICIAN.

**INGESTION:** GET MEDICAL ATTENTION.  
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
DO NOT INDUCE VOMITING.  
IF CONSCIOUS, GIVE TWO GLASSES OF WATER.

**Section 9: ADDITIONAL INFORMATION**

**CAS NOMENCLATURE:** CELLULOSE.

**C.A.S. REGISTRATION NUMBER:** 9004-32-4.

**DOMESTIC SUBSTANCE LIST:** APPEARS ON THE DOMESTIC SUBSTANCE LIST.  
APPEARS ON THE U.S. TSCA INVENTORY.

W.H.M.I.S.:

**CLASSIFICATION:** NOT CONTROLLED.

T.D.G.R.:

**PROPER SHIPPING NAME:** NOT REGULATED.

**UN/PIN #:** NOT APPLICABLE.

**CLASS:** NOT APPLICABLE.

**PACKING GROUP:** NOT APPLICABLE.

**REPORTING QUANTITY:** NOT APPLICABLE.

**I.M.O. CLASSIFICATION:** REFER TO TRANSPORTER.

**ICAO (AIR) CLASS:** REFER TO AIRLINE.

**QUANTITY PERMITTED ON PASSENGER AIR CRAFT:** REFER TO AIRLINE.

**QUANTITY PERMITTED ON CARGO AIR CRAFT:** REFER TO AIRLINE.

**SPECIAL SHIPPING INSTRUCTIONS:** IN CASE OF EMERGENCY CONTACT CANUTEC 1-613-996-6666.

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**NATIONAL POLLUTANTS  
RELEASE INVENTORY (NPRI):** NOT AVAILABLE.

- REFERENCES:** 1-"DANGEROUS GOODS GUIDE TO INITIAL EMERGENCY RESPONSE" – CANUTEC 1996.  
2-"REGULATIONS RESPECTING THE HANDLING, OFFERING FOR TRANSPORT AND TRANSPORTATION OF DANGEROUS GOODS" – EXTRACT FROM THE CANADA GAZETTE PART II,  
3-"CONTROLLED PRODUCTS REGULATIONS: HAZARDOUS PRODUCTS ACT" – EXTRACT FROM THE CANADA GAZETTE PART II.  
4-"DOMESTIC SUBSTANCE LIST" – ENVIRONMENT CANADA  
5-"1996 THRESHOLD LIMIT VALUES FOR CHEMICALS AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES " – AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)  
6-"CCINFO-DISK" CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY.

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