C O G N I S C O R P O R A T I O N

Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Revised: 09/10/2002

PRODUCT NAME: GUARFLOC 66-C
PRODUCT DESCRIPTION: Guar gum
SYNONYMS: Guar gum 66-C
CASRN: 9000-30-0
MANUFACTURER: Cognis Corporation
4900 Este Avenue
Cincinnati,OH 45232
Phone: 800-328-6198 Fax: 520-624-0912
EMERGENCY NUMBERS:
CHEMTREC: 800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	CONCENTRATION(Wt.%)	EXPOSURE LIMITS
Guar gum CASRN 9000-30-0	100.0	None Established

SECTION 3: HAZARDS IDENTIFICATION

********** Emergency **********
********** Overview **********

CAUTION!
Low hazard for usual industrial or commercial handling.
Powdered material may form explosive dust-air mixtures.
Static electricity may be generated when handling. Use proper grounding procedures when handling near flammable or explosive materials.

Dry Cream Colored Powder
****

SKIN CONTACT:
No hazard expected.

EYE CONTACT:
May cause eye irritation by abrasion.

INHALATION:
No adverse health effects are known.

INGESTION:

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Considered to be non-toxic based on toxicological data for components.

CHRONIC EFFECTS:
None Known.

OTHER HEALTH EFFECTS:
No carcinogenic, mutagenic or teratogenic effects are known. No effects of chronic exposure or target organ effects are known.
No exposure limits have been established for this product.

PRIMARY ROUTES OF EXPOSURE: Inhalation,Skin

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:
Wash affected area with soap and water.

EYE CONTACT:
Immediately flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Get medical attention.

INHALATION:
Move to fresh air. If symptoms persist, consult a Physician.

INGESTION:
Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not Applicable
LFL: % UFL: %
AUTOIGNITION TEMPERATURE Not Determined

RECOMMENDED EXTINGUISHING MEDIA:
Carbon dioxide,Dry chemical,Foam,Water spray

SPECIAL FIRE FIGHTING PROCEDURES:
Not determined.

UNUSUAL FIRE OR EXPLOSION HAZARDS:
Product dusts may be explosive in mixtures with air.
Product becomes slippery when wet.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon dioxide and carbon monoxide.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IN CASE OF SPILL OR LEAK:
Using explosion-proof equipment, pick up spilled material and containerize. Vacuum area or flush with water to remove residues.

ENVIRONMENTAL IMPACT:
No environmental impact is expected under conditions of normal use.

SECTION 7: HANDLING AND STORAGE

Powder may form explosive mixtures with air. Do not store or handle in the presence of heat or an ignition source. Do not allow powder or dust to accumulate.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:
Safety glasses with side shields

SKIN PROTECTION:
Rubber gloves

RESPIRATORY PROTECTION:
For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use a NIOSH/MSHA approved dust respirator.

ENGINEERING CONTROLS:

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
APPEARANCE: Dry Cream Colored Powder
ODOR:
ODOR THRESHOLD: Not Determined
pH: Not Determined
MELTING POINT: Not Determined
BOILING POINT: Not Determined
SPECIFIC GRAVITY: .6-.9 G/ML
SOLUBILITY IN WATER: N/A Thickener - Water
PERCENT VOLATILES(by Wt.): Not Determined
VAPOR DENSITY: Not Determined
VAPOR PRESSURE: Not Determined
EVAPORATION RATE(N-BUTYL ACETATE=1): Not determined
VOC CONTENT(EPA Method 24): Not Determined

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Normally Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS:
Strong acids, bases and oxidizing agents.

CONDITIONS TO AVOID:
Product dusts may be explosive in mixtures with air.

HAZARDOUS DECOMPOSITION PRODUCTS:
Decomposition products contain carbon dioxide and carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

No inhalation toxicity information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY:
Ecotoxicity for this product has not been determined.

ENVIRONMENTAL FATE:
Readily and rapidly degradable: all individual organic substances contained in the product achieve values in tests for ready bio-degradability (e.g., OECD 301 A-F) of at least 60% BOD/COD or 70% DOC reduction (tolerance value for classification as "readily biodegradable")

SECTION 13: DISPOSAL CONSIDERATIONS

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261. Dispose of in an approved landfill in accordance with state and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

GUMS, NATURAL, NOI
NMFC: 91380

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The information provided is for domestic highway transportation only. This product may be regulated differently when shipped in other types of containers or by modes other than that addressed by this section of the MSDS. For information, please contact Regulatory Affairs at 513/482-5022.

For RQ applicability, please see Section XV.

SECTION 15: REGULATORY INFORMATION

TSCA INVENTORY STATUS:
This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

TSCA 12(b) COMPONENTS:
None

SARA 311/312 HAZARD CATEGORIES: Fire

SARA 313 TOXIC CHEMICALS:
None

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:
None

CERCLA HAZARDOUS SUBSTANCES:
None

CALIFORNIA PROPOSITION 65 COMPONENTS:
None

SECTION 16: OTHER INFORMATION

HMIS RATINGS: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0 OTHER: None

THE FOLLOWING WARNING INFORMATION IS PROVIDED ON THE LABEL FOR THIS PRODUCT:

CAUTION!
Low hazard for usual industrial or commercial handling.
Powdered material may form explosive dust-air mixtures.
Static electricity may be generated when handling. Use proper grounding procedures when handling near flammable or explosive materials.
FIRST AID - SKIN CONTACT:
Wash affected area with soap and water.
FIRST AID - EYE CONTACT:
Immediately flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Get medical

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attention.
FIRST AID - INGESTION:
Do not induce vomiting. If vomiting should occur spontaneously, keep airway clear. Get medical attention. Never give anything by mouth to an unconscious person.
UNUSUAL FIRE OR EXPLOSION HAZARDS:
Product dusts may be explosive in mixtures with air.
STEPS TO TAKE IN CASE OF SPILL OR LEAK:
Using explosion-proof equipment, pick up spilled material and containerize. Vacuum area or flush with water to remove residues.
HANDLING AND STORAGE:
Powder may form explosive mixtures with air. Do not store or handle in the presence of heat or an ignition source. Do not allow powder or dust to accumulate.

ABBREVIATIONS USED:

ND or N/D = Not Determined
NA or N/A = Not Applicable or Not Available
NE or N/E = Not Established
N/AP = Not Applicable

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Cognis Corporation as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Cognis Corporation assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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