



MATERIAL SAFETY DATA SHEET

PAGE: 1 OF 2
 Date Prepared: 2/28/03
 Supersedes: 1/13/1999

GREEN FOOD COLOR

Food color, green

PRODUCT NAME - GREEN FOOD COLOR
 PRODUCT NUMBER - 320036, S9421TN, 920268, 920615, 0413515204100, 0283006102200,
 0476003447344, 7581080885000, 0476002309722, 8224861104600, 0476003450600

PRODUCT TYPE: LIQUID FOOD COLOR

SECTION 1 -

MANUFACTURER'S NAME/ADDRESS	EMERGENCY TELEPHONE NO.: 515-965-2711
Tone Brothers, Inc. 2301 S.E. Tone's Drive Ankeny, IA 50021	

SECTION 2 - IDENTITY/HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT(S): None known
DOT HAZARD CLASSIFICATION: Non-flammable Consumer Commodity
INGREDIENTS- Water, Yellow 5 and 6, Blue 1, Citric Acid and Sodium Benzoate (preservative).

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: unknown
SPECIFIC GRAVITY: 1.0110 - 1.0150 @ 25° C
VAPOR PRESSURE: unknown
VAPOR DENSITY: unknown
SOLUBILITY IN WATER: completely soluble
REACTIVITY IN WATER: stable
APPEARANCE & ODOR: Dark green liquid. In solution @ 0.1%: Clear green color. Bland odor.
MELTING POINT: Not applicable

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: not applicable **METHOD USED:** CTC -ASTM D56-98a
FLAM. LIMITS IN AIR % BY VOLUME: unknown **LEL:** Not applicable **UEL:** Not applicable
AUTO-IGNITION TEMPERATURE: Not applicable
EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES: None known.
UNUSUAL FIRE & EXPLOSION HAZARDS: none known
STABILITY: No significant reactivity hazard
CONDITIONS TO AVOID: none known
INCOMPATIBILITY (materials to avoid): none known
HAZARDOUS DECOMPOSITION PRODUCTS: None, however burning liberates carbon monoxide, carbon dioxide, and smoke.
HAZARDOUS POLYMERIZATION: not known



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PRODUCT TYPE: LIQUID FOOD COLOR**SECTION 5- HEALTH HAZARDS**

This product has not been classified as a health hazard. It is not listed as a carcinogen by NTP(National Toxicology Program) or IARC (International Agency for Research on Cancer). It is not regulated as a carcinogen by OSHA (Occupational Safety and Health Administration).

HEALTH HAZARD INFORMATION: The health hazards of a mixture not tested as a whole are based on the hazardous chemicals present in the mixture at concentrations of greater than one percent.

Individual materials present in this mixture pose the following health hazards when tested individually at 100%:

SIGNS AND SYMPTOMS OF EXPOSURE: Excessive exposure may cause irritation of skin, eyes or respiratory tract. Contact may irritate or burn skin and eyes. May be harmful if inhaled or absorbed through the skin.

INGESTION: Ingestion in large quantities may cause nausea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Allergies, Asthma, Bronchitis, Emphysema, or Dermatitis.

EMERGENCY FIRST AID PROCEDURES**ROUTES OF ENTRY:**

INHALATION - Remove victim to fresh air, contact physician

EYES - Flush immediately with large amounts of water; Standard Eye Wash Procedures. Contact physician.

SKIN - Remove contaminated clothing. Wash affected areas with warm water and mild soap. Contact physician.

INGESTION - Consult physician immediately

SECTION 6 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry area away from heat, flame or light. Keep container upright and closed when not in use. Use with adequate ventilation.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spills on vermiculite or other suitable absorbent material and remove to an approved disposal container.

WASTE DISPOSAL METHODS: Consult Federal, State, and Local Regulations.

SECTION 7 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Respiratory protection is normally not required in well ventilated areas, however, NIOSH approved respiratory protection may be required when the material is rated toxic by inhalation or if the materials is to be used in a confined area.

VENTILATION: Local exhaust. Ventilation meeting ACGIH standards should be employed.

EYES: Splash resistant glasses or goggles should be worn.

SKIN: Oil/chemical resistant gloves should be worn.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Safety shower/Eye bath

WORK/HYGIENIC PRACTICES: Good Housekeeping Practices.

The information in this MSDS was obtained from current and reliable sources and is furnished without warranty of any kind regarding its correctness, accuracy or completeness of information. Product users should make independent judgments as to the application of this information in addition to information gained from other sources to protect the health and safety of employees.