

MATERIAL SAFETY DATA SHEET

McCormick and Company, Inc

773389 - BLUE FOOD COLOR

PAGE : 1 of 4

DATE PRINTED : 02/04/2010

Section 1 - Product and Company Information

PRODUCT NAME : BLUE FOOD COLOR

FORMULA # : 773389

SUPPLIER : McCormick and Company, Inc
18 Loveton Circle
Sparks, Maryland 21152
(410) 771-7500 8:30AM - 5:00PM EST

CHEMTREC - 24 HOUR EMERGENCY : 800-424-9300

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

APPEARANCE: Liquid

ODOR : Odorless

NFPA HAZARD CLASSIFICATIONS : Health : 1 Flammability : 1 Reactivity : 1

POTENTIAL HEALTH EFFECTS

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List. Based on health hazard determination of ingredients contained at a concentration of one percent or greater, this mixture may exhibit the following health hazards:

ACUTE EFFECTS

Inhalation: Inhalation may cause respiratory irritation.

Eye: May be irritating to eyes.

Skin: May be irritating to skin.

Ingestion: Does not constitute a health hazard.

PRIMARY TARGET ORGANS: No known effect.

CHRONIC EFFECTS: Prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals.

Section 3 - Composition/Information on Ingredients

With the exception of the items listed below, the identity of individual components of this mixture is proprietary information and is considered to be a trade secret.

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NUMBER
PROPYLENE GLYCOL FD&C BLUE #1	57-55-6

Section 4 - First Aid Measures

RELATED PACK CODES

900329422, 900306712, 900299388, 900033170, 900033169, 900033144, 900033143, 900031461, 900024100, 986015, 982096, 974403, 974402, 930641, 910045, 907107, 773389

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EYE CONTACT : In the event of contact with eyes, irrigate with water for at least 15 minutes; obtain medical advice immediately.

SKIN CONTACT : Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

INHALATION : Remove to fresh air and seek medical attention if necessary.

INGESTION : In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Section 5 - Fire-Fighting Measures

FLASH POINT : > 98 °C / > 210 °F

EXTINGUISHING MEDIA : Water, Foam, Carbon dioxide (CO₂), Dry chemical

FIRE FIGHTING PROCEDURES : Use standard procedures and preferred extinguishing media above.

UNUSUAL FIRE AND EXPLOSION HAZARDS : None

HAZARDOUS COMBUSTION PRODUCTS (Released upon burning) : Carbon monoxide, Carbon dioxide, Smoke

SPECIAL PROTECTIVE EQUIPMENT : For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Section 6 - Accidental Release Measures

LAND SPILL : Absorb spill with inert material (e.g., cloth, sand, sawdust) and then place in suitable containers for recycling or disposal. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

WATER SPILL : Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material and skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

PERSONAL PRECAUTIONS : Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Section 7 - Handling and Storage

HANDLING : Keep product away from heat and open flame. Keep container closed when not in use. See Section 8 for additional personal protection advice when handling this product.

STORAGE : Store in a cool, dry area with adequate ventilation.

EMPTY CONTAINER WARNING : Empty containers may retain residue (including vapors) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

RELATED PACK CODES

900329422, 900306712, 900299388, 900033170, 900033169, 900033144, 900033143, 900031461, 900024100, 986015, 982096, 974403, 974402, 930641, 910045, 907107, 773389

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Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Ventilation should be provided to control worker exposures and prevent health risk.

RESPIRATORY PROTECTION: Respiratory protection recommended when adequate ventilation is not available. Whenever workplace conditions warrant a respirator's use, seek professional guidance prior to respirator selection and follow OSHA respirator regulations (29 CFR 1910.134).

EYE PROTECTION: Safety glasses recommended.

SKIN PROTECTION: Where contact is likely, wear protective gloves or clothing.

OTHER PROTECTION: None required.

EXPOSURE GUIDELINES:

Component	OSHA PEL	ACGIH TLV	ACGIH STEL	Supplier
PROPYLENE GLYCOL	None	None	None	None

GENERAL HYGIENE CONSIDERATIONS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

APPEARANCE: Liquid

ODOR: Odorless

FLASH POINT: > 98 °C / > 210 °F

DENSITY: 8.49 LB/GAL

SOLUBILITY IN WATER: Soluble

Section 10 - Stability and Reactivity

STABILITY: Presents no significant reactivity hazard.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not undergo explosive decomposition.

CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.

Section 11 - Toxicological Information

ACUTE EYE EFFECTS: Not established.

ACUTE DERMAL EFFECTS: Not established.

ACUTE INHALATION EFFECTS: Not established.

ACUTE ORAL EFFECTS: Not established.

RELATED PACK CODES

900329422, 900306712, 900299388, 900033170, 900033169, 900033144, 900033143, 900031461, 900024100, 986015, 982096, 974403, 974402, 930641, 910045, 907107, 773389

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Section 12 - Ecological Information

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

Section 13 - Disposal Considerations

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

Section 14 - Transport Information

DEPARTMENT OF TRANSPORTATION (DOT):

Not regulated by road. Consult your transportation compliance group for possible classifications pertaining to other modes of transport.

Section 15 - Regulatory Information

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List.

Section 16 - Other Information

The information contained in this MSDS is based on data available to us at this time. Although reasonable care has been taken in the preparation of this MSDS, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use.

PREPARED BY : McCormick and Company, Inc

REVISION DATE : 02/04/2010

VERSION : 1

RELATED PACK CODES

900329422, 900306712, 900299388, 900033170, 900033169, 900033144, 900033143, 900031461, 900024100, 986015, 982096, 974403, 974402, 930641, 910045, 907107, 773389

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FOOD COLORING PACK/4

MATERIAL SAFETY DATA SHEET

McCormick and Company, Inc

771049 - GREEN FOOD COLOR

PAGE: 1 of 4
DATE PRINTED: 02/04/2010

Section 1 - Product and Company Information

PRODUCT NAME : GREEN FOOD COLOR
FORMULA # : 771049

SUPPLIER : McCormick and Company, Inc
18 Loveton Circle
Sparks, Maryland 21152
(410) 771-7500 8:30AM - 5:00PM EST

CHEMTREC - 24 HOUR EMERGENCY : 800-424-9300

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

APPEARANCE: Dark green liquid

ODOR : Odorless

NFPA HAZARD CLASSIFICATIONS : Health : 1 Flammability : 1 Reactivity : 1

POTENTIAL HEALTH EFFECTS

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List. Based on health hazard determination of ingredients contained at a concentration of one percent or greater, this mixture may exhibit the following health hazards:

ACUTE EFFECTS

Inhalation: Inhalation may cause respiratory irritation.

Eye: May be irritating to eyes.

Skin: May be irritating to skin.

Ingestion: Does not constitute a health hazard.

PRIMARY TARGET ORGANS: No known effect.

CHRONIC EFFECTS: Prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals.

Section 3 - Composition/Information on Ingredients

With the exception of the items listed below, the identity of individual components of this mixture is proprietary information and is considered to be a trade secret.

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NUMBER
PROPYLENE GLYCOL FD&C YELLOW #5 FD&C BLUE #1	57-55-6

RELATED PACK CODES

900329422, 900306712, 900299388, 900261163, 900057989, 900033170, 900033169, 900033144, 900033143, 900031461, 900024101, 900024100, 986015, 982096, 974408, 930647, 910045, 907107, 907088, 771049

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771049 - GREEN FOOD COLOR

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Section 4 - First Aid Measures

EYE CONTACT : In the event of contact with eyes, irrigate with water for at least 15 minutes; obtain medical advice immediately.

SKIN CONTACT : Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

INHALATION : Remove to fresh air and seek medical attention if necessary.

INGESTION : In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Section 5 - Fire-Fighting Measures

FLASH POINT : > 98 °C / > 210 °F

EXTINGUISHING MEDIA : Water, Foam, Carbon dioxide (CO₂), Dry chemical

FIRE FIGHTING PROCEDURES : Use standard procedures and preferred extinguishing media above.

UNUSUAL FIRE AND EXPLOSION HAZARDS : None

HAZARDOUS COMBUSTION PRODUCTS (Released upon burning) : Carbon monoxide, Carbon dioxide, Smoke

SPECIAL PROTECTIVE EQUIPMENT : For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Section 6 - Accidental Release Measures

LAND SPILL : Absorb spill with inert material (e.g., cloth, sand, sawdust) and then place in suitable containers for recycling or disposal. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

WATER SPILL : Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material and skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

PERSONAL PRECAUTIONS : Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Section 7 - Handling and Storage

HANDLING : Keep product away from heat and open flame. Keep container closed when not in use. See Section 8 for additional personal protection advice when handling this product.

STORAGE : Store in a cool, dry area with adequate ventilation.

EMPTY CONTAINER WARNING : Empty containers may retain residue (including vapors) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

RELATED PACK CODES

900329422, 900306712, 900299388, 900261163, 900057989, 900033170, 900033169, 900033144, 900033143, 900031461, 900024101, 900024100, 986015, 982096, 974408, 930647, 910045, 907107, 907088, 771049

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Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Ventilation should be provided to control worker exposures and prevent health risk.

RESPIRATORY PROTECTION: Respiratory protection recommended when adequate ventilation is not available. Whenever workplace conditions warrant a respirator's use, seek professional guidance prior to respirator selection and follow OSHA respirator regulations (29 CFR 1910.134).

EYE PROTECTION: Safety glasses recommended.

SKIN PROTECTION: Where contact is likely, wear protective gloves or clothing.

OTHER PROTECTION: None required.

EXPOSURE GUIDELINES:

Component	OSHA PEL	ACGIH TLV	ACGIH STEL	Supplier
PROPYLENE GLYCOL	None	None	None	None

GENERAL HYGIENE CONSIDERATIONS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

APPEARANCE: Dark green liquid

ODOR: Odorless

FLASH POINT: > 98 °C / > 210 °F

DENSITY: 8.57 LB/GAL

SOLUBILITY IN WATER: Soluble

Section 10 - Stability and Reactivity

STABILITY: Presents no significant reactivity hazard.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not undergo explosive decomposition.

CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.

Section 11 - Toxicological Information

ACUTE EYE EFFECTS: Not established.

ACUTE DERMAL EFFECTS: Not established.

ACUTE INHALATION EFFECTS: Not established.

ACUTE ORAL EFFECTS: Not established.

RELATED PACK CODES

900329422, 900306712, 900299388, 900261163, 900057989, 900033170, 900033169, 900033144, 900033143, 900031461, 900024101, 900024100, 986015, 982096, 974408, 930647, 910045, 907107, 907088, 771049

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771049 - GREEN FOOD COLOR

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DATE PRINTED : 02/04/2010

Section 12 - Ecological Information

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

Section 13 - Disposal Considerations

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

Section 14 - Transport Information

DEPARTMENT OF TRANSPORTATION (DOT) :

Not regulated by road. Consult your transportation compliance group for possible classifications pertaining to other modes of transport.

Section 15 - Regulatory Information

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List.

Section 16 - Other Information

The information contained in this MSDS is based on data available to us at this time. Although reasonable care has been taken in the preparation of this MSDS, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use.

PREPARED BY : McCormick and Company, Inc
REVISION DATE : 02/04/2010
VERSION : 1

RELATED PACK CODES

900329422, 900306712, 900299388, 900261163, 900057989, 900033170, 900033169, 900033144, 900033143, 900031461, 900024101, 900024100, 986015, 982096, 974408, 930647, 910045, 907107, 907088, 771049

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FOOD COLORING PACK/4

MATERIAL SAFETY DATA SHEET

McCormick and Company, Inc

773302 - RED FOOD COLOR

PAGE: 1 of 4

DATE PRINTED: 02/04/2010

Section 1 - Product and Company Information

PRODUCT NAME: RED FOOD COLOR

FORMULA #: 773302

SUPPLIER: McCormick and Company, Inc
18 Loveton Circle
Sparks, Maryland 21152
(410) 771-7500 8:30AM - 5:00PM EST

CHEMTREC - 24 HOUR EMERGENCY: 800-424-9300

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

APPEARANCE: Dark red liquid

ODOR: Odorless

NFPA HAZARD CLASSIFICATIONS: Health : 1 Flammability : 1 Reactivity : 1

POTENTIAL HEALTH EFFECTS

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List. Based on health hazard determination of ingredients contained at a concentration of one percent or greater, this mixture may exhibit the following health hazards:

ACUTE EFFECTS

Inhalation: Inhalation may cause respiratory irritation.

Eye: May be irritating to eyes.

Skin: May be irritating to skin.

Ingestion: Does not constitute a health hazard.

PRIMARY TARGET ORGANS: No known effect.

CHRONIC EFFECTS: Prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals.

Section 3 - Composition/Information on Ingredients

With the exception of the items listed below, the identity of individual components of this mixture is proprietary information and is considered to be a trade secret.

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NUMBER
PROPYLENE GLYCOL FD&C RED #40	57-55-6 25956-17-6

RELATED PACK CODES

900329677, 900329422, 900306712, 900306711, 900299388, 900141383, 900058093, 900058051, 900057990, 900036400, 900033170, 900033169, 900033144, 900033143, 900031461, 900024102, 900024100, 996784, 988835, 986015, 982096, 974411, 974410, 930651, 930650, 910045, 907107, 907091, 773302

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McCormick and Company, Inc

773302 - RED FOOD COLOR

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Section 4 - First Aid Measures

EYE CONTACT: In the event of contact with eyes, irrigate with water for at least 15 minutes; obtain medical advice immediately.

SKIN CONTACT: Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

INHALATION: Remove to fresh air and seek medical attention if necessary.

INGESTION: In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Section 5 - Fire-Fighting Measures

FLASH POINT: > 98 °C / > 210 °F

EXTINGUISHING MEDIA: Water, Foam, Carbon dioxide (CO₂), Dry chemical

FIRE FIGHTING PROCEDURES: Use standard procedures and preferred extinguishing media above.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS (Released upon burning): Carbon monoxide, Carbon dioxide, Smoke

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Section 6 - Accidental Release Measures

LAND SPILL: Absorb spill with inert material (e.g., cloth, sand, sawdust) and then place in suitable containers for recycling or disposal. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

WATER SPILL: Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material and skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

PERSONAL PRECAUTIONS: Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Section 7 - Handling and Storage

HANDLING: Keep product away from heat and open flame. Keep container closed when not in use. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Store in a cool, dry area with adequate ventilation.

EMPTY CONTAINER WARNING: Empty containers may retain residue (including vapors) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

RELATED PACK CODES

900329677, 900329422, 900306712, 900306711, 900299388, 900141383, 900058093, 900058051, 900057990, 900036400, 900033170, 900033169, 900033144, 900033143, 900031461, 900024102, 900024100, 996784, 988835, 986015, 982096, 974411, 974410, 930651, 930650, 910045, 907107, 907091, 773302

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FOOD COLORING PACK/4

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McCormick and Company, Inc

773302 - RED FOOD COLOR

PAGE: 3 of 4

DATE PRINTED: 02/04/2010

Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Ventilation should be provided to control worker exposures and prevent health risk.

RESPIRATORY PROTECTION: Respiratory protection recommended when adequate ventilation is not available. Whenever workplace conditions warrant a respirator's use, seek professional guidance prior to respirator selection and follow OSHA respirator regulations (29 CFR 1910.134).

EYE PROTECTION: Safety glasses recommended.

SKIN PROTECTION: Where contact is likely, wear protective gloves or clothing.

OTHER PROTECTION: None required.

EXPOSURE GUIDELINES:

Component	OSHA PEL	ACGIH TLV	ACGIH STEL	Supplier
PROPYLENE GLYCOL FD&C RED #40	None None	None None	None None	None None

GENERAL HYGIENE CONSIDERATIONS: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

APPEARANCE: Dark red liquid

ODOR: Odorless

FLASH POINT: > 98 °C / > 210 °F

DENSITY: 8.57 LB/GAL

SOLUBILITY IN WATER: Soluble

Section 10 - Stability and Reactivity

STABILITY: Presents no significant reactivity hazard.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not undergo explosive decomposition.

CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.

Section 11 - Toxicological Information

ACUTE EYE EFFECTS: Not established.

ACUTE DERMAL EFFECTS: Not established.

ACUTE INHALATION EFFECTS: Not established.

RELATED PACK CODES

900329677, 900329422, 900306712, 900306711, 900299388, 900141383, 900058093, 900058051, 900057990, 900036400, 900033170, 900033169, 900033144, 900033143, 900031461, 900024102, 900024100, 996784, 988835, 986015, 982096, 974411, 974410, 930651, 930650, 910045, 907107, 907091, 773302

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FOOD COLORING PACK/4

MATERIAL SAFETY DATA SHEET

McCormick and Company, Inc

773302 - RED FOOD COLOR

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ACUTE ORAL EFFECTS: Not established.

Section 12 - Ecological Information

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

Section 13 - Disposal Considerations

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

Section 14 - Transport Information

DEPARTMENT OF TRANSPORTATION (DOT):

Not regulated by road. Consult your transportation compliance group for possible classifications pertaining to other modes of transport.

Section 15 - Regulatory Information

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List.

Section 16 - Other Information

The information contained in this MSDS is based on data available to us at this time. Although reasonable care has been taken in the preparation of this MSDS, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use.

PREPARED BY: McCormick and Company, Inc

REVISION DATE: 02/04/2010

VERSION: 1

RELATED PACK CODES

900329677, 900329422, 900306712, 900306711, 900299388, 900141383, 900058093, 900058051, 900057990, 900036400, 900033170, 900033169, 900033144, 900033143, 900031461, 900024102, 900024100, 996784, 988835, 986015, 982096, 974411, 974410, 930651, 930650, 910045, 907107, 907091, 773302

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FOOD COLORING PACK/4

MATERIAL SAFETY DATA SHEET

McCormick and Company, Inc

773388 - YELLOW FOOD COLOR

PAGE: 1 of 4

DATE PRINTED: 02/04/2010

Section 1 - Product and Company Information

PRODUCT NAME: YELLOW FOOD COLOR

FORMULA #: 773388

SUPPLIER: McCormick and Company, Inc
18 Loveton Circle
Sparks, Maryland 21152
(410) 771-7500 8:30AM - 5:00PM EST

CHEMTREC - 24 HOUR EMERGENCY: 800-424-9300

Section 2 - Hazards Identification

EMERGENCY OVERVIEW

APPEARANCE: Dark yellow liquid

ODOR: Odorless

NFPA HAZARD CLASSIFICATIONS: Health : 1 Flammability : 1 Reactivity : 1

POTENTIAL HEALTH EFFECTS

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List. Based on health hazard determination of ingredients contained at a concentration of one percent or greater, this mixture may exhibit the following health hazards:

ACUTE EFFECTS

Inhalation: Inhalation may cause respiratory irritation.

Eye: May be irritating to eyes.

Skin: May be irritating to skin.

Ingestion: Does not constitute a health hazard.

PRIMARY TARGET ORGANS: No known effect.

CHRONIC EFFECTS: Prolonged or repeated exposure may cause allergic reaction in certain sensitive individuals.

Section 3 - Composition/Information on Ingredients

With the exception of the items listed below, the identity of individual components of this mixture is proprietary information and is considered to be a trade secret.

PRINCIPAL HAZARDOUS COMPONENT(S)	CAS NUMBER
FD&C YELLOW #5 PROPYLENE GLYCOL	57-55-6

RELATED PACK CODES

900329683, 900329422, 900306712, 900299388, 900261177, 900141381, 900057991, 900033170, 900033169, 900033144, 900033143, 900031461, 900024103, 900024100, 986015, 982096, 974407, 974406, 930654, 930653, 910045, 907107, 907092, 773388

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Section 4 - First Aid Measures

EYE CONTACT: In the event of contact with eyes, irrigate with water for at least 15 minutes; obtain medical advice immediately.

SKIN CONTACT: Remove contaminated clothes. Wash affected area with water. If irritation persists, obtain medical advice.

INHALATION: Remove to fresh air and seek medical attention if necessary.

INGESTION: In the event of accidental ingestion, rinse mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

Section 5 - Fire-Fighting Measures

FLASH POINT: > 98 °C / > 210 °F

EXTINGUISHING MEDIA: Water, Foam, Carbon dioxide (CO₂), Dry chemical

FIRE FIGHTING PROCEDURES: Use standard procedures and preferred extinguishing media above.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS (Released upon burning): Carbon monoxide, Carbon dioxide, Smoke

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Section 6 - Accidental Release Measures

LAND SPILL: Absorb spill with inert material (e.g., cloth, sand, sawdust) and then place in suitable containers for recycling or disposal. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

WATER SPILL: Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material and skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local, state, and federal disposal regulations.

PERSONAL PRECAUTIONS: Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Section 7 - Handling and Storage

HANDLING: Keep product away from heat and open flame. Keep container closed when not in use. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Store in a cool, dry area with adequate ventilation.

EMPTY CONTAINER WARNING: Empty containers may retain residue (including vapors) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

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Section 8 - Exposure Controls/Personal Protection

ENGINEERING CONTROLS : Ventilation should be provided to control worker exposures and prevent health risk.

RESPIRATORY PROTECTION : Respiratory protection recommended when adequate ventilation is not available. Whenever workplace conditions warrant a respirator's use, seek professional guidance prior to respirator selection and follow OSHA respirator regulations (29 CFR 1910.134).

EYE PROTECTION : Safety glasses recommended.

SKIN PROTECTION : Where contact is likely, wear protective gloves or clothing.

OTHER PROTECTION : None required.

EXPOSURE GUIDELINES :

Component	OSHA PEL	ACGIH TLV	ACGIH STEL	Supplier
PROPYLENE GLYCOL	None	None	None	None

GENERAL HYGIENE CONSIDERATIONS : Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

APPEARANCE : Dark yellow liquid

ODOR : Odorless

FLASH POINT : > 98 °C / > 210 °F

DENSITY : 8.67 LB/GAL

SOLUBILITY IN WATER : Soluble

Section 10 - Stability and Reactivity

STABILITY : Presents no significant reactivity hazard.

INCOMPATIBILITY (MATERIALS TO AVOID) : Avoid strong oxidizing agents.

POSSIBILITY OF HAZARDOUS REACTIONS : Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS : Product does not undergo explosive decomposition.

CONDITIONS TO AVOID : Extreme heat and high energy sources of ignition.

Section 11 - Toxicological Information

ACUTE EYE EFFECTS : Not established.

ACUTE DERMAL EFFECTS : Not established.

ACUTE INHALATION EFFECTS : Not established.

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ACUTE ORAL EFFECTS: Not established.

Section 12 - Ecological Information

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

Section 13 - Disposal Considerations

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

Section 14 - Transport Information

DEPARTMENT OF TRANSPORTATION (DOT):

Not regulated by road. Consult your transportation compliance group for possible classifications pertaining to other modes of transport.

Section 15 - Regulatory Information

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or on the FEMA GRAS List.

Section 16 - Other Information

The information contained in this MSDS is based on data available to us at this time. Although reasonable care has been taken in the preparation of this MSDS, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use.

PREPARED BY : McCormick and Company, Inc
REVISION DATE : 02/04/2010
VERSION : 1

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