



BG PRODUCTS, INC.
701 South Wichita
Wichita, KS 67213
(316) 265-2686

Date: 02-08-05
Replaces: 04-07-04

211

MATERIAL SAFETY DATA SHEET
Emergency Phone: (800) 424-9300

Section A. PRODUCT IDENTIFICATION

Product Number: 211

Product Name: ISC® Induction System Cleaner™

Product Use: Fuel Induction System Cleaner

CAS Number: Not Applicable

HAZARD RATING:

4 - EXTREME
3 - HIGH
2 - MODERATE
1 - SLIGHT
0 - INSIGNIFICANT

NFPA (704)

FLAMMABILITY: 4
HEALTH: 2
REACTIVITY: 0
SPECIAL: 0

HMIS

FLAMMABILITY: 4
HEALTH: 2
REACTIVITY: 0
PROTECTION: H

Section B. HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>CAS No.</u>	<u>Percentage</u>
* METHYL-1 PYRROLIDINONE-2	872-50-4	<48.5
* TOLUENE	108-88-3	<35.6
PETROLEUM DISTILLATES	MIXTURE	Not Available
* XYLENE	1330-20-7	<1.3
* ETHYL BENZENE	100-41-4	<.85

* This product is a toxic chemical subject to the reporting requirements of Section 313 of SARA Title III.

Section C. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	194°F (90°C)	ODOR:	Aromatic Solvent
VAPOR PRESSURE:	Not Determined	APPEARANCE:	Clear Liquid
% VOLATILES BY VOLUME:	Not Determined	SPECIFIC GRAVITY (H ₂ O=1):	0.8636
SOLUBILITY IN WATER:	Insoluble	POUR POINT:	Not Determined

Section D. FIRE PROTECTION AND INFORMATION

FLASH POINT AND METHOD:

7°F (-14°C) / TCC

FLAMMABLE LIMITS IN AIR :

1.3% – 9.5%

AUTO IGNITION TEMPERATURE:

518°F(270°C)

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear protective gear including self contained breathing apparatus. Use extinguishing media appropriate for surrounding fire.

Section E. REACTIVITY DATA

STABLE (NORMAL CONDITIONS): Stable

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS AND DECOMPOSITION PRODUCTS:

Carbon Monoxide, oxides of carbon and other products of complete/incomplete combustion

INCOMPATIBILITY (CONDITIONS TO AVOID):

Oxidizing Mineral Acids, Elemental Metals & Alloys, Strong Oxidizing Agents

Section F. HEALTH HAZARD INFORMATION

n-Methyl-2-Pyrrolidone (872-50-4): **Exposure Routes:** inhalation, skin absorption, ingestion, skin and/or eye contact; **Symptoms:** Irritation eyes, skin, upper respiratory system; **Target Organs:** Eyes, skin, respiratory system; **Exposure Limits:** None Established

Toluene (108-88-3): **Exposure Routes:** inhalation, skin absorption, ingestion, skin and/or eye contact; **Symptoms:** Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage; **Target Organs:** Eyes, skin, respiratory system, central nervous system, liver, kidneys; **Exposure Limits:** OSHA PEL = 200ppm, ACGIH TLV = 50ppm

Petroleum Distillates: **Exposure Routes:** skin and/or eye contact; **Symptoms:** Irritation eyes, skin; **Target Organs:** Eyes, skin;

Exposure Limits: OSHA PEL/ACGIH TLV = None Established

Xylene (1330-20-7): **Exposure Routes** inhalation, skin absorption, ingestion, skin and/or eye contact; **Symptoms** Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis; **Target Organs** Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys; **Exposure Limits:** OSHA PEL/ACGIH TLV = 100ppm

Ethyl Benzene (100-41-4): **Exposure Routes** inhalation, ingestion, skin and/or eye contact; **Symptoms** Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma; **Target Organs** Eyes, skin, respiratory system, central nervous system; **Exposure Limits:** OSHA PEL/ACGIH TLV = 100ppm; **Carcinogenicity:** IARC Group 2B Carcinogen

Section G. EMERGENCY FIRST AID PROCEDURES

SKIN CONTACT: Remove all contaminated clothing and flush affected area with water for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

EYE CONTACT: Flush with large amounts of water for 15-20 minutes. If irritation occurs or persists, seek medical attention immediately.

INHALATION: Remove from exposure area to a source of fresh air. If unconscious, start artificial respiration. If breathing is difficult or labored, provide Oxygen. Seek medical attention immediately.

INGESTION: DO NOT induce vomiting. Seek medical attention immediately.

Section H. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Use local exhaust or other engineering controls to minimize exposure.

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH approved respirator with cartridge, air line or SCBA as appropriate based on workplace exposure guidelines.

EYE PROTECTION: Use safety glasses with side shields, chemical goggles or a face shield.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Wear long sleeved shirt or other protective clothing when a potential for exposure exists. Wear chemically protective gloves when handling.

Section I. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep containers closed when not in use and away from sources of ignition or temperature extremes. Use and store in well-ventilated areas. Physically segregate from incompatibles. **Uniform Fire Code Class 1B material.**

OTHER PRECAUTIONS: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

Section J. ENVIRONMENTAL/SPILL OR LEAK INFORMATION

SPILLS: Evacuate the immediate area and remove all sources of ignition. Contain and collect any spill products using inert/absorbent materials. Place spill materials in a closed and labeled container for disposal. Contact response organizations as appropriate.

WASTE DISPOSAL: Dispose of in a manner consistent with all applicable Federal, State and local regulations.

EPCRA 311/312 CATEGORIES: Acute, Chronic, Fire

Section K. TRANSPORTATION INFORMATION

DOT Shipping Description: Consumer Commodity

IMDG Shipping Description: Flammable liquid, n.o.s (contains n-Methyl-2-Pyrrolidone and Toluene), 3, UN1993, PGII, Ltd.Qty., (-14°C)

DOT ERG No.: 171

DOT HAZARD NAME: Consumer Commodity

IMDG LABEL: Not Applicable

UN NUMBER: 1993

PACKING GROUP: II

NA NUMBER: Not Applicable

DOT LABEL: Not Applicable

Section L. COMMENTS

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. You must notify each person to whom this mixture or trade name product is sold. This statement must not be detached. Any copy or redistribution of the Material Safety Data Sheet shall include this statement.

Signature:



Name/Title: James Overheul/Safety Manager