



SAFETY DATA SHEET

ICC 938 Blue MAC™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: ICC 938 Blue MAC - Mechanically Accelerated Cleaner™
Manufacturer: INTERCONTINENTAL CHEMICAL CORPORATION
Address: 4660 Spring Grove Avenue, Cincinnati, OH USA 45232-1995
Emergency Phone: 513-541-7100 (business hours 8am-5pm Eastern Time)
Chemtrec Phone: 800-424-9300 (after business hours) Ref: CCN 11409
Fax Phone: 513-541-6880
Chemical Family: Solventized cleaner
Product Use: Stain remover

SECTION 2: HAZARDS IDENTIFICATION

DANGER	Hazard Category	Hazard Classification
	1	Eye Damage / Irritation
	1B	Toxic To Reproduction
	2	Skin Corrosion / Irritation
	2	Germ Cell Mutagenicity
	3	Specific Target Organ Toxicity (Single Exposure)
	4	Acute Toxicity – Inhalation
	4	Flammable Liquids

PICTOGRAM AND HAZARD STATEMENTS



Causes skin irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. May damage fertility or the unborn child. Suspected of causing genetic defects. Causes serious eye damage. Combustible liquid.

PREVENTION

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. No smoking.
Avoid breathing fume, gas, mist, vapors or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves and clothing. Also eye and face protection.

RESPONSE

IF ON SKIN: Wash with plenty of water or shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Immediately call a POISON CENTER or doctor, or get medical advice or attention.
Call a POISON CENTER or doctor if you feel unwell.
If skin irritation occurs: Get medical advice or attention.
Take off contaminated clothing and wash clothing before reuse.
In case of fire: Use water spray or class A, B, or C extinguishers to extinguish.

STORAGE: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

DISPOSAL: Dispose in accordance with local, state and federal regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

ICC 938 is a proprietary product; the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

INGREDIENT:	Dibasic Ester	Oxaalkylalkanol	Organic amine	Cyclohexanone
CAS NO.:	1119-40-0	34590-94-8 *	872-50-4	108-94-1
% WT:	>50	<15	<10	<5
*Generic name: (2-methoxymethylethoxy)propanol [DPGME]				

SECTION 4: FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If on skin or hair: Immediately take off contaminated clothing. Rinse skin with plenty of water or shower.
 If inhaled: Remove person to fresh air and keep comfortable.
 If swallowed: Rinse mouth.

Immediately obtain medical attention if you feel unwell.
 Wash contaminated clothing before reuse.
 Absorb spillage to prevent further product contact.

Likely Routes Of Exposure: Eyes, skin, inhalation and ingestion

Most Important Symptoms And Effects, Both Acute And Delayed:

May cause serious eye damage, may irritate skin, may irritate airways with overexposure; possible results producing headache, dizziness, dermatitis, blurry vision and other effects on specific organs or body areas as listed on the next page. Harmful if swallowed; ingestion would likely cause digestive tract irritation. Liver and kidney damage, reproductive, germ cell mutagenicity and developmental effects were reported in test animals for some ingredients.

Acute Health Hazard Symptoms:

Eyes: Irritation with potential blurry vision; stinging, swelling, tearing, redness; grit in eye can cause abrasive damage.
 Skin: May cause irritation; redness, dermatitis, drying & cracking of skin.
 Ingestion and Inhalation: Irritation of digestive tract, gastric/intestinal disturbances. May cause irritation, blurring of vision, nausea, headache, dizziness, drowsiness, reduced coordination, unconsciousness, central nervous system (CNS) depression, upper respiratory (nose and throat) irritation.

Acute Health Hazards: Skin, eyes and mucous membrane irritant; CNS depressant.

Chronic Effects: Prolonged or repeated exposure has been reported to cause liver and kidney damage based on animal test data. Other ingredients have shown reproductive, germ cell mutagenicity and developmental effects in laboratory test animals.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Limits in Air, (% by Volume): UPPER: Not determined. LOWER: Not determined.
 Flash Point: 195°F. or 90°C.
 Method Used: ASTM D3278
 Autoignition Temperature: No data available
 NFPA 704 Standard: HEALTH: 1 FLAMMABILITY: 2 INSTABILITY: 0
 Extinguishing Media: Water spray or class A, B, or C extinguishers
 Special Fire Fighting Procedures: No special fire fighting procedures.
 Unusual Fire and Explosion Hazards: None known.
 Hazardous Decomposition Products: Possibly smoke, particulate matter, carbon monoxide, carbon dioxide, oxides of nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spills may be wiped, large spills use inert absorbent material.

SECTION 7: HANDLING AND STORAGE

Product on floors may be slippery when wet. Close containers when not in use; do not contaminate; if stored outdoors, use protective covering. Do not store in standing water. Do not reuse container. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENTS WITH EXPOSURE LIMITS:

Ingredient:	Oxaalkylalkanol *	Cyclohexanone
CAS NO.:	34590-94-8	108-94-1
OSHA PEL-TWA:	100ppm	25ppm (skin)
OSHA PEL-STEL:	150ppm	N.E.
ACGIH TLV-TWA:	100ppm (skin)	20ppm (skin)
ACGIH TLV-STEL:	150ppm (skin)	50ppm (skin)

*Generic names: (2-methoxymethylethoxy)propanol -or- DPGME

Engineering Controls: As required to provide normal air flow.
 Ventilation: Local exhaust is recommended.
 Respiratory Protection: Under normal use conditions a respirator may be necessary, subject to local plant regulations; however, under conditions of excessive airborne concentrations, a NIOSH-approved respirator for organic vapors is recommended.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION - Continued

Eye Protection:	Splash-proof goggles or face shield recommended.
Skin Protection:	Chemical resistant gloves; latex or neoprene recommended.
Other Protective Gear:	Proper apparel to prevent unnecessary exposure to personnel.
Work Hygienic Practices:	Normal plant procedures. Wash hands upon leaving work area. Launder clothes before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue slurry, semi-gritty fluid
Odor:	Solvent
Odor threshold:	No data available
pH:	6 – 8 (10% solution)
Melting/freezing point:	Less than -40°C. or -40°F.
Initial boiling point and boiling range:	Greater than 310°F. or 154°C.
Flash point:	195°F. or 90°C.
Evaporation rate (n-butyl acetate = 1):	Less than 0.1
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	Less than 0.3 mmHg @68°F./ 20°C.
Vapor density:	Less than 5 mmHg @68°F./ 20°C.
Relative density:	1.08 (8.98 pounds/gallon; 1076 grams/liter)
Solubility:	Partial
Partition coefficient; n-octanol water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	Pourable

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable
Reactivity:	Low
Conditions to Avoid:	Welding arcs, open flame
Incompatibility (Material to Avoid):	Strong oxidizing agents
Hazardous Decomposition or By-Products:	Possibly smoke, particulate matter, carbon monoxide, carbon dioxide, oxides of nitrogen.
Hazardous Polymerization:	Cannot occur.
Conditions to Avoid (Polymerization):	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes, skin, ingestion and inhalation.
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Acute Oral Toxicity Estimate:	Greater than 3000 mg/kg
Acute Dermal Toxicity Estimate:	Greater than 4000 mg/kg
Acute Inhalation Toxicity Estimate:	No data available

Acute Health Hazard Symptoms:

Eyes:	Irritation with potential blurry vision; stinging, swelling, tearing, redness; grit in eye can cause damage.
Skin:	May cause irritation; redness, dermatitis, drying & cracking of skin.
Ingestion and Inhalation:	Irritation of digestive tract, gastric/intestinal disturbances. May cause irritation, blurring of vision, nausea, headache, dizziness, drowsiness, reduced coordination, unconsciousness, central nervous system (CNS) depression, upper respiratory (nose and throat) irritation.

Acute Health Hazards:	Skin, eyes and mucous membrane irritant; CNS depressant.
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Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Eye Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity Single Exposure:	No data available
Specific Target Organ Toxicity Repeated or Prolonged Exposure:	No data available
Aspiration Hazard:	No data available

Chronic Effects:	Prolonged or repeated exposure has been reported to cause liver and kidney damage based on animal test data. Other ingredients have shown reproductive, germ cell mutagenicity and developmental effects in laboratory test animals.
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Medical Conditions Generally Aggravated by Exposure:	Pre-existing disorders of the eye, skin, liver, kidney, respiratory tract, blood forming system, lung (example: asthma-like conditions).
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Carcinogenicity:	OSHA: No	NTP: No	IARC: No
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SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. Department Of Transportation:

Proper Shipping Name / Hazard Class / ID Number / Packing Group / Label Statement:

ICC 938 Blue MAC, no label required

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients listed
CERCLA: Cyclohexanone RQ5000

SARA TITLE III:

313 Reportable Ingredients: Organic amine at 10% (upper bound by weight)
HAP's: De minimus

California Regulations:

Prop 65: This product contains chemicals known to the state of California to cause birth defects or other reproductive harm.

SCAQMD Rule 443: Not applicable

SCAQMD Rule 443.1: 856g VOC/Liter (7.14 Lbs/Gallon)

SCAQMD Rule 443.1: Vapor pressure less than 0.3 mmHg @20°C.

International Regulations:

No data available

SECTION 16: OTHER INFORMATION

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

Preparation Information: Prepared by Intercontinental Chemical Corporation on 7/30/15

Disclaimer: Intercontinental Chemical Corporation believes that the data contained herein are factual, however no warranty, express or implied, is made concerning the accuracy of the information.