



SAFETY DATA SHEET

ICC 437 Polycarbonate Cleaner™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: ICC 437 Polycarbonate 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 Cleaners
Product Use: Cleaning Polycarbonate Plastics

SECTION 2: HAZARDS IDENTIFICATION

WARNING	Hazard Category	Hazard Classification
	2A	Eye damage / irritation
	3	Flammable Liquids
	4	Acute toxicity - Inhalation

PICTOGRAM AND HAZARD STATEMENTS



Flammable liquid and vapor. Causes serious eye irritation. Harmful if inhaled.

PREVENTION

Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Keep container tightly closed.
Ground or bond container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust, 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/or face protection.

RESPONSE

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin 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.
Call a POISON CENTER or doctor if you feel unwell.
If eye irritation persists: Get medical advice or attention.
In case of fire: Use water spray, Class A, B or C extinguishers to extinguish.

STORAGE: Store in a well-ventilated place. Keep cool.

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

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

ICC 437 is a proprietary product; the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Ingredient :	Diacetone Alcohol	Oxaalkylalkanol*
CAS#	123-42-2	34590-94-8
Weight %	>80	<10

*Otherwise known as "dipropylene glycol methyl ether" -OR- "bis-(2-methyloxypropyl) ether -OR- "DPGME"

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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 all 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 seek 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, ingestion

Most Important Symptoms and Effects, Both Acute and Delayed:

This product may cause serious irritation to eyes, skin and respiratory tract. Harmful if inhaled; high concentrations may cause blurry vision, narcotic effects, headache, nausea. Ingestion would likely cause digestive tract irritation. May cause liver, blood forming system and kidney damage.

Acute Health Hazard Symptoms:

Eyes: May cause irritation.
Skin: May cause irritation; defatting, dryness.
Ingestion: Irritation of digestive tract, gastric disturbances.
Inhalation: May cause irritation, nausea, headache, dizziness, drowsiness, reduced coordination, or unconsciousness.

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

Chronic Health Hazards: Ingredients have shown liver, kidney and red blood cell effects in test animals.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Limits in Air, (% by Volume): UPPER: Not determined. LOWER: Not determined.
Flash Point: 127°F. or 53°C.
Method Used: ASTM D3278
Autoignition Temperature: Not determined.
NFPA 704 Standard: HEALTH: 2 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: May produce carbon monoxide, carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition in the vicinity.
Small spills may be wiped, large spills use inert absorbent material.

SECTION 7: HANDLING AND STORAGE

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.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components With Exposure Limits:

INGREDIENT:	Diacetone Alcohol	Oxaalkylalkanol*
CAS NO.:	123-42-2	34590-94-8
% WT:	>80	<10
OSHA PEL-TWA:	50ppm	100ppm
OSHA PEL-STEL:	N.E.	N.E.
ACGIH TLV-TWA:	50ppm	100ppm (skin)
ACGIH TLV-STEL:	N.E.	150ppm (skin)

N.E. = Not Established

*Otherwise known as "dipropylene glycol methyl ether" -OR- "bis-(2-methyloxypropyl) ether -OR- "DPGME"

Engineering Controls: As required to provide normal air flow.
Ventilation: Local exhaust is recommended.
Respiratory Protection: Under normal use conditions a respirator should not be necessary, subject to local plant regulations; however, under conditions of excessive airborne concentrations, a NIOSH-approved respirator for organic vapors is recommended.
Eye Protection: Safety glasses or 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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, near colorless liquid
Odor:	Solvent
Odor threshold:	No data available
pH:	5 - 6 (10% solution)
Melting/freezing point:	Less than -40°C. or -40°F.
Initial boiling point and boiling range:	Greater than 340°F. or 171°C.
Flash point:	127°F. or 53°C. (ASTM D3278)
Evaporation rate (n-butyl acetate = 1):	Less than 0.2
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	Less than 1 mmHg @68°F./ 20°C.
Vapor density (Air = 1):	Less than 7
Relative density:	0.94 (7.8 pounds/gallon or 935 grams/liter)
Solubility:	Complete
Partition coefficient; n-octanol water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	3 cps

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:	May produce carbon monoxide, carbon dioxide.
Hazardous Polymerization:	Cannot occur.
Conditions to Avoid (Polymerization):	Not applicable.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes Of Exposure:	Eyes, skin, ingestion and inhalation.
Acute Oral Toxicity Estimate:	Greater than 3000 mg/kg
Acute Dermal Toxicity Estimate:	Greater than 5000 mg/kg
Acute Inhalation Toxicity Estimate:	No data available
Acute Health Hazard Symptoms:	
Eyes:	May cause irritation.
Skin:	May cause irritation; defatting, dryness.
Ingestion:	Irritation of digestive tract, gastric disturbances.
Inhalation:	May cause irritation, nausea, headache, dizziness, drowsiness, reduced coordination, or unconsciousness.
Acute Health Hazards:	Skin, eyes and mucous membrane irritant; CNS depressant.
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 Health Hazards: Ingredients have shown liver, kidney and red blood cell effects in test animals.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.

Carcinogenicity: OSHA: No NTP: No IARC: No

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

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SECTION 14: TRANSPORT INFORMATION

U.S. Department Of Transportation (ground shipments):

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

ICC 437, no label required

Not regulated - Exception under 49 CFR §173.150.

Emergency Response Guidebook: Guide 127

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients listed

CERCLA: Not applicable

SARA TITLE III:

313 Reportable Ingredients: Not applicable

HAP's: None

California Regulations:

PROP 65: Not applicable

SCAQMD Rule 443: Photochemically reactive

SCAQMD Rule 443: 90% photochemically reactive solvents by volume

SCAQMD Rule 443.1: 916 g VOC/Liter or 7.64 pounds VOC/gallon

SCAQMD Rule 443.1: Vapor pressure less than 0.9 mmHg @20°C.

International Regulations: No data available

SECTION 16: OTHER INFORMATION

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

Preparation Information: Prepared by Intercontinental Chemical Corporation on 5/29/2015

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.