

# MATERIAL SAFETY DATA SHEET

Page 1 of 6

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Contact Cleaner DAC-405 - Aerosol  
 PRODUCT NUMBER: DAC -405 DATE: June 18, 2010

TRADE NAME: Contact Cleaner DAC-405 - Aerosol  
 GENERAL USE: Cleaner  
 CHEMICAL FAMILY: Mixture  
 PRODUCT DESCRIPTION: Clear Liquid Solvent Odor  
 MANUFACTURER: DAC Industries, Inc.



TELEPHONE NUMBER (General Inquiries)  
 (651) 748-1750

DATE PREPARED: June 18, 2010  
 SUPERSEDES: March 31, 2010

ADDRESS (NUMBER, STREET, P.O. BOX)  
 1636 Gervais Avenue Suite 9

### CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS

(CITY, STATE AND ZIP CODE) COUNTRY  
 Maplewood, MN 55109 USA

**ChemTel INC.** 1-800-255-3924  
 North America (Toll Free) 813-248-0585  
 International and Local Calls

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Aerosol product containing flammable propellant being heavier than air, this product may collect in any confined space and may reach concentrations presenting an asphyxiation or safety hazard and may be ignited by pilot lights, other flames, sparks, heaters electric motors, static discharge or other sources of ignition. Do not puncture or incinerate. Do not store at temperatures exceeding 120°F(49°C). Product may irritate skin and eyes.

### US HAZARD SYMBOL(S)



### CANADA (WHMIS)



### EUROPEAN



### (GHS) HAZARD SYMBOLS



### HMIS HAZARD RATINGS

0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE  
 3 = HIGH, 4 = EXTREME  
 \* - CHRONIC HEALTH HAZARD

HEALTH:

1

FLAMMABILITY:

4

PHYSICAL HAZARD:

0

### REQUIRED PERSONAL PROTECTIVE EQUIPMENT:

#### HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER:

B



**Safety Glasses with protective side shields and gloves are suggested when using this product.**

### RISK PHRASES

R12 Extremely Flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

### SAFETY PHRASES

S2 Keep out of the reach of children.

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition-No smoking.

S33 Take precautionary measures against static discharges.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## MATERIAL SAFETY DATA SHEET

Page 2 of 6

PRODUCT NAME:	Contact Cleaner DAC-405 - Aerosol									
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<b>SECTION 2 - HAZARDS IDENTIFICATION (Continued)</b>										
<b>POTENTIAL HEALTH EFFECTS</b>										
INHALATION:										
High concentrations of vapors or mists may cause irritation of the respiratory tract. Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, or death from asphyxiation, depending upon concentration and period of exposure.										
SKIN:										
May cause mild skin irritation. Prolonged or repeated contact may cause redness, burning, and drying and cracking of skin and possible dermatoses.										
EYES:										
May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.										
INGESTION:										
May cause irritation of the gastrointestinal tract with nausea, vomiting, and diarrhea.										
<b>CARCINOGENICITY:</b>										
NTP? <b>NO</b> CALIFORNIA, Prop.65?	IARC MONOGRAPHS? <b>NO</b> <b>NO</b>		OSHA REGULATED? <b>NO</b> ESIS NOTATION? <b>NO</b>							
<b>SECTION 3 - HAZARDOUS INGREDIENTS</b>										
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 2)					
Propane	<b>20-30</b>	<b>74-98-6</b>	<b>200-827-9</b>	<b>+F</b>	<b>R12</b>					
n-Butane	<b>50-60</b>	<b>106-97-8</b>	<b>203-448-7</b>	<b>+F</b>	<b>R12</b>					
Isohexane	<b>60-70</b>	<b>107-83-5</b>	<b>203-523-4</b>	<b>F,Xn,N</b>	<b>R11,R38,R51/53, R65,R67</b>					
Isopropyl Alcohol	<b>&lt;10</b>	<b>67-63-0</b>	<b>200-661-7</b>	<b>+F, Xi</b>	<b>R11,R36,R67</b>					
<b>NOTES:</b> This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 91/155/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.										
<b>SECTION 4 - FIRST AID MEASURES</b>										
INHALATION:										
Remove to fresh air, apply artificial respiration if breathing has stopped. Consult a physician immediately.										
EYES:										
Remove contact lenses. Flush eyes well with clean potable water for at least 15 minutes. Consult a physician if irritation persists.										
SKIN:										
Wash with soap and water. Remove soaked clothing to avoid prolonged skin contact. Consult a physician if irritation persists.										
INGESTION:										
Do not induce vomiting, as risk of aspiration exists with this product, give 1 or 2 glasses of water to drink. Consult a physician or poison control center immediately. Treatment is dependent on amount ingested and the condition of the patient.										

## MATERIAL SAFETY DATA SHEET

Page 3 of 6

# MATERIAL SAFETY DATA SHEET

Page 4 of 6

PRODUCT NAME:	Contact Cleaner DAC-405 - Aerosol					
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<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>						
APPEARANCE AND ODOR	VAPOR PRESSURE Clear Liquid Solvent Odor.					
pH	SPECIFIC GRAVITY (WATER = 1) NR					
Boiling Range (-43.7- +145°F)	SOLUBILITY IN WATER Negligible.					
FLASH POINT (<-156°F estimated for propellant).	VISCOSITY NR					
FLAMMABLE LIMITS LEL: 1.80%      UEL: 9.50%	VAPOR DENSITY (AIR = 1) >1.0					
AUTOIGNITION TEMPERATURE NR	EVAPORATION RATE (WATER = 1) >1.0					
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION 100% approx.						
<b>SECTION 10 - STABILITY AND REACTIVITY</b>						
STABILITY	CONDITIONS TO AVOID: Product is stable under normal conditions of use.					
Heat, sparks, open flames or other sources of ignition.						
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizers and acids.						
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, Carbon Dioxide.						
HAZARDOUS POLYMERIZATION:	CONDITIONS TO AVOID: Will not occur.					
None related to polymerization.						
<b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>						
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)			
Propane	74-98-6	NE	NE			
	200-827-9					
n-Butane	106-97-8	NE	658 mg / L / 4 hours (Inhalation, rat)			
	203-448-7					
Isohexane	107-83-5	NE	NE			
	203-523-4					
Isopropyl Alcohol	67-63-0	4396 mg/kg (Oral, rat)	72.6 mg/L / 4 hour (Inhalation, rat)			
	200-661-7					
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>						
No information available on complete product. Isohexane can cause harm when released in aquatic environments; do not discharge product into bodies of water or sewage systems.						
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>						
WASTE DISPOSAL METHOD:						
Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.						

# MATERIAL SAFETY DATA SHEET

Page 5 of 6

PRODUCT NAME:	Contact Cleaner DAC-405 - Aerosol				
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<b>SECTION 14 - TRANSPORT INFORMATION</b>					
<b>PROPER SHIPPING NAME:</b> <b>ORM-D Consumer Commodity (USA), Aerosols, flammable, UN 1950 (contains propane /butane/ isohexane / isopropanol) (International/ Sea / Air / Bulk Liquid)</b>					
DOT HAZARD CLASS / Pack Group: <b>ORM-D Consumer Commodity (Ground/ US Only).</b>	IATA HAZARD CLASS / Pack Group: <b>Aerosols, Flammable 2.1. 75Kg Passenger, 150Kg Cargo.</b>	IMDG HAZARD CLASS: <b>Aerosols Flammable 2.1</b>			
REFERENCE: <b>49CFR, IATA, IMDG, EU.</b>	RID/ADR Dangerous Goods Code: <b>5F.</b>	UN TDG Class / Pack Group: <b>2.1</b>			
UN / NA IDENTIFICATION NUMBER: <b>UN1950</b>		Hazard Identification Number (HIN): <b>23</b>			
LABEL: <b>ORM-D Consumer Commodity(USA Ground) Flammable Gas 2.1 (Intl/Air/Sea)</b>					
HAZARD SYMBOLS:					
<p>Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.</p>					
<b>SECTION 15 - REGULATORY INFORMATION</b>					
TSCA (USA - Toxic Substance Control Act):	<b>Ingredients listed.</b>				
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):					
Acute Health: <b>NO</b>	Chronic Health: <b>NO</b>				
Fire: <b>Yes</b>	Sudden Release of Pressure: <b>Yes</b>				
Reactive: <b>NO</b>					
SARA 313 REPORTABLE INGREDIENTS: <b>None listed.</b>					
CERCLA (USA - Comprehensive Response Compensation and Liability Act):	<b>No ingredients are listed.</b>				
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:	<b>Not Listed.</b>				
<b>State Right To Know: Isopropyl alcohol, CAS# 67-63-0, is listed on the following RTK lists: California, New Jersey, Florida, Pennsylvania, Minnesota &amp; Massachusetts.</b>					
CCPR (Canadian Controlled Products Regulations): <b>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: B1, D2B</b>					
IDL (Canadian Ingredient Disclosure List): <b>Listed</b>					
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):	<b>Listed on DSL</b>				
EINECS (European Inventory of Existing Commercial Chemical Substances):	<b>Referenced</b>				
WGK Water Quality Index: <b>1</b>					

# MATERIAL SAFETY DATA SHEET

Page 6 of 6

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## SECTION 16 - OTHER INFORMATION

### Legend:

ACGIH	American Congress of Government Industrial Hygienists				
CAS	Chemical Abstracts Service				
EINECS	European Inventory of Existing Commercial Chemical Substances				
HMIS	Hazardous Materials Identification System				
IARC	International Agency for Research on Cancer				
NA	Not Available	ND	Not Determined	NE	Not Established
NIOSH	National Institute for Occupational Safety and Health				
NTP	National Toxicology Program				
OSHA	Occupational Safety and Health Administration				

### REVISION SUMMARY:

Revised to USA (ANSI), Canadian, EU. And GHS standards 6/18/2010. LB

### MSDS Prepared by:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.