

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
MSDS No: APC
Date Revised: 11/05/2009
Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

MANUFACTURER

ITW TACC
56 Air Station Industrial Park
Rockland MA 02370
Product Stewardship: (781) 878-7015
Service Number: (800) 503-6991

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

COMMENTS: CONBOND is a registered trademark of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"F+" - Extremely flammable
"N" - Dangerous for the environment
"Xi" - Irritant

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire and explosion. Contents under pressure. Harmful or fatal if swallowed. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air. Vapors may cause dizziness, headache, nausea, drowsiness, unconsciousness and respiratory irritation. Can cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation with redness, tearing and pain. May cause possible corneal injury.

SKIN: May cause moderate skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

SKIN ABSORPTION: May be absorbed through the skin in harmful amounts.

INGESTION: Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Harmful or fatal if swallowed.

INHALATION: May cause nose or throat irritation. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness).

ROUTES OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, and Skin Contact

TARGET ORGAN STATEMENT: Central nervous system (CNS) depression, liver, kidneys, pancreas, heart, lungs and brain. Overexposure to methanol may cause visual impairment or blindness.

IRRITANCY: Eyes, nose, throat, respiratory tract, and skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
MSDS No: APC
Date Revised: 11/05/2009
Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

Chemical Name	Wt. %	CAS	EINECS	Classification
2-propanol	35 - 60	000067-63-0	200-661-0	F; 11
D-Limonene	25 - 50	000138-86-3	205-341-0	Xi, N; 10-38-43-50/53
Hydrocarbon Propellant	1.05 - 40	Mixture	200-338-0	F+; 12

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash or dispose of clothing before reuse.

INGESTION: Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: -104°C (-156°F)

FLAMMABLE LIMITS: 2.1 to 9.5

AUTOIGNITION TEMPERATURE: (458°F) to (841.7°F)

FLAMMABLE CLASS: Class IA

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, or fog.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide

EXPLOSION HAZARDS: Avoid fire, sparks, static electricity and hot surfaces. Liquid readily evaporates at room/ambient temperature. Vapors are invisible, flammable, heavier than air, and may accumulate in low areas and spread long distances. Distant ignition and flashback are possible.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear. Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

SENSITIVE TO STATIC DISCHARGE: Likely to catch fire from near-by spark. Static charge may accumulate by flow or agitation. Grounding and bonding of containers is required.

SENSITIVITY TO IMPACT: None known.

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009

MSDS No: APC

Date Revised: 11/05/2009

Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide may form when heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion proof mechanical means (i.e. fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

HANDLING: Use adequate ventilation and appropriate respiratory protection to avoid breathing vapors when cover is removed. Ground and bond all equipment when handling flammable solvent-borne material.

STORAGE: Keep container closed when not in use. Store in a dry well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

STORAGE TEMPERATURE: 15.5°C (60°F) Minimum to 35°C (95°F) Maximum

SHELF LIFE: 1 year from manufacture date

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
MSDS No: APC
Date Revised: 11/05/2009
Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
2-propanol	TWA	400 ppm	980 mg/m ³	200 ppm	491 mg/m ³
	STEL	NL ^[1]	NL ^[1]	400 ppm	983 mg/m ³
D-Limonene	TWA	NL ^[1]	NL ^[1]	NL ^[1]	NL ^[1]
	STEL	NL ^[1]	NL ^[1]	NL ^[1]	NL ^[1]
Hydrocarbon Propellant	TWA	1000 ppm	1800 mg/m ³	800 ppm	NL
	STEL	NL ^[1]	NL ^[1]	NL ^[1]	NL ^[1]
Footnotes:					
1. NL = Not Listed					

ENGINEERING CONTROLS: Provide sufficient explosion proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) or a full face respirator.

SKIN: Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear chemical resistant gloves, such as butyl rubber.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol

ODOR: Ester-like odor

COLOR: Clear

PERCENT VOLATILE: 100

Notes: by weight

BOILING POINT: -25°C (-12°F) to -41.8°C (-43.2°F)

FLASHPOINT AND METHOD: -104°C (-156°F)

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
 MSDS No: APC
 Date Revised: 11/05/2009
 Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

EVAPORATION RATE: > 1.0 (n-Butyl Acetate=1)

DENSITY: 6.12 lbs/gal

SPECIFIC GRAVITY: 0.730

(VOC): 734.000 gr/L EPA Method 24 VOC

Notes: Photochemically Reactive Only VOC: 734.0 gr/L

COMMENTS: 0 lb VHAP/lb Solid
 0% by weight HAP

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Product will not undergo polymerization.

CONDITIONS TO AVOID: Avoid heat, flames, sparks, static electricity and other sources of ignition.

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Avoid contact with peroxides, oxidizing agents such as nitric acid, perchloric acid, chromium trioxide, chlorosulfonic acid, silica gel, alumina, and strong acids or amines.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
2-propanol	5045 mg/kg	12800 mg/kg	16970 mg/L (4-hr)
D-Limonene	5000 mg/kg	5000 mg/kg	No data
Hydrocarbon Propellant	No data	No data	No data

CARCINOGENICITY

Chemical Name	IARC Status
2-propanol	3

IRRITATION: Eyes, nose, throat, respiratory tract irritation.

CORROSIVITY: Not Applicable

SENSITIZATION: Not Applicable

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
 MSDS No: APC
 Date Revised: 11/05/2009
 Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

NEUROTOXICITY: Not Applicable

GENETIC EFFECTS: Not Applicable

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

BIOACCUMULATION/ACCUMULATION: Contains components with the potential to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Liquefied Gas, Flammable, N.O.S.

PRIMARY HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: 3161

PACKING GROUP: N/A

NAERG: 115

MARINE POLLUTANT #1: None

OTHER SHIPPING INFORMATION: contains (Propane, n-Butane, Isopropyl Alcohol)

SPECIAL SHIPPING NOTES: If individual container size is less than 1.3 gallons, the proper shipping name is:
 ORM-D Consumer Commodity
 Non-Regulated

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Gas

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
 MSDS No: APC
 Date Revised: 11/05/2009
 Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

FIRE: Yes **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
2-propanol	35 - 60	000067-63-0

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
2-propanol	000067-63-0
D-Limonene	000138-86-3
Hydrocarbon Propellant	Mixture

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
2-propanol	New Jersey Right to Know List Pennsylvania Right to Know List
D-Limonene	New Jersey Right to Know List
Hydrocarbon Propellant	New Jersey Right to Know List Pennsylvania Right to Know List

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Compressed Gas



Flammable Aerosol

EUROPEAN COMMUNITY

MATERIAL SAFETY DATA SHEET



Date Issued: 11/05/2009
 MSDS No: APC
 Date Revised: 11/05/2009
 Revision No: 8

CONBOND C685 All Purpose Adhesive Remover (item #C68517C)

EEC LABEL SYMBOL AND CLASSIFICATION



"F+" - Extremely flammable



"N" - Dangerous for the environment



"Xi" - Irritant

16. OTHER INFORMATION

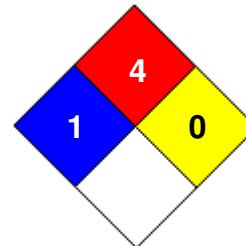
INFORMATION CONTACT: (781) 878-7015

REVISION SUMMARY: Revision #: 8 This MSDS replaces the November 05, 2009 MSDS. Any changes in information are as follows: In Section 1 Comments

HMIS RATING

HEALTH:	*	1
FLAMMABILITY:		4
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	B	

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children

For professional or industrial use only

If you cannot read, or do not understand all directions, cautions, and warnings, do not use this product

For spray applications, use only with approved equipment

MANUFACTURER DISCLAIMER:

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW TACC. The data on this sheet relates only to the specific material designated herein. ITW TACC assumes no legal responsibility for use or reliance upon these data.