

B.E. ATLAS

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# MATERIAL SAFETY DATA SHEET

Index STOCK NO. 6244

## DUCO CEMENT

ITW Brand Merchandising, 226 Gerry Drive, Wood Dale, IL 60191.  
Emergency Telephone No.: (800) 424-9300 (CHEMTREC); Other calls: (508) 777-1100

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATINGS:

HEALTH: 2\*  
FLAMMABILITY: 3  
REACTIVITY: 1  
6244P

REVISED: April 28, 1992

Code: 18033

### SECTION 1. PRODUCT IDENTITY

TRADENAME: **DUCO CEMENT**  
CHEMICAL FAMILY: Modified nitrocellulose solution

OTHER PRODUCT INFORMATION: The following information applies to the product as packaged.

### SECTION 2. HAZARDOUS INGREDIENTS

INGREDIENT(S)	WEIGHT PCT.	CAS NO.	TLV-TWA <sub>1,2</sub>	Notes
Acetone	60-70	67641	750 ppm	TC
Eye and respiratory irritant, flammable. OSHA PEL = 590 ppm				
Butyl acetate	5-10	123864	150 ppm	
Hazards similar to those of acetone; OSHA PEL = 150 ppm.				
Isopropyl alcohol	5-10	67630	400 ppm	
Toxic by ingestion; irritant; flammable. OSHA PEL = 150 ppm				
Cellulose nitrate	10-30	9004700	n/e	
Flammable solid				
Camphor	1-5	76222	2 ppm	
Irritant; toxic by ingestion; combustible. OSHA PEL = 2 ppm				

- "TLV" means the Threshold Limit Value exposure (8-hour time-weighted average, unless otherwise noted) established by ACGIH.
- "OSHA PEL" refers to the Permissible Exposure Limits for airborne contaminants as specified in 29 CFR 1900.1000.
- "N/E" indicates that neither TLV nor OSHA Permissible Exposure Limit has been established.

NOTES: A1--human carcinogen. A2--suspect carcinogen. C--ceiling limit (not a TWA). D--the TLV applies to dusts; this ingredient is not a dust as sold in our product. S--absorption through skin may be a significant route of exposure. "TC" indicates a "Toxic Chemical" subject to the reporting requirements of SARA Section 313 (40 CFR Sec. 372).

### SECTION 3. PHYSICAL PROPERTIES

BOILING POINT (F): 132F      VAPOR DENSITY (Air=1): 2.0 (acetone)      EVAPORATION RATE (BuAc=1): >1  
MELTING POINT (F): n/d      SPECIFIC GRAVITY: 0.867      SOLUBILITY IN WATER: Appreciable  
PERCENT SOLIDS BY WEIGHT: 16      APPEARANCE AND ODOR: Clear liquid with strong solvent odor.      VAPOR PRESSURE (mmHg): 226 (Acetone) at 77 F  
pH (5% by weight in water): 6

VOLATILE ORGANIC COMPOUNDS (VOC): 6.1 lbs/gal (EPA Reference Method 24)      NOTE: "n/d" = "not determined".

### SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -4 F; METHOD: TCC      EXPLOSIVE LIMITS IN AIR: Lower--1.4; Upper--12.8

EXTINGUISHING MEDIA: Water      CO2      Dry chemical      Foam      Alcohol foam  
yes      yes      yes      yes

SPECIAL FIREFIGHTING PROCEDURES: Water fog may be used to cool closed containers if exposed to extreme heat. Firefighters should wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable. Solvent vaporization can cause closed containers to burst violently if heated.

### SECTION 5. HEALTH HAZARD DATA

#### EMERGENCY AND FIRST AID PROCEDURES--

EYES: Flush with plenty of water for 15 minutes. Get medical attention.

SKIN: Remove contaminated clothing and shoes; wash thoroughly with mild soap and plenty of water; see a doctor if irritation develops.

INHALATION: Remove patient to fresh air. Administer oxygen if breathing is difficult or artificial respiration if not breathing; get medical attention.

INGESTION: Get immediate medical attention. Do not induce vomiting.

**HEALTH HAZARD DATA (cont'd)**

TOXICITY DATA--Oral LD50 (rat): 9750 mg/kg (Acetone)  
Dermal LD50 (rabbit): 20,000 mg/kg (Acetone)  
Inhalation LC50 (rat): no data; Exposure time: hours

**SYMPTOMS OF ACUTE OVEREXPOSURE--**

EYES: Liquid and vapor are irritating to the eyes.  
SKIN: Mild irritant.  
INHALATION: May cause irritation of nose and throat, headache, lethargy, drowsiness, weakness, loss of coordination, and nausea.  
INGESTION: No specific data; may be expected to irritate gastrointestinal tract and cause symptoms similar to those of inhalation.

EFFECTS OF CHRONIC OVEREXPOSURE: Prolonged or repeated exposure by inhalation of vapor and/or skin contact with the liquid can damage the nervous system, blood, and kidneys. Symptoms may include those of acute inhalation (above) as well as loss of appetite, weight loss, and personality changes.

MEDICAL CONDITIONS WHICH EXPOSURE MAY AGGRAVATE: None reported.

CARCINOGENICITY--OSHA regulated? no ACGIH? no Other? no  
National Toxicology Program? no International Agency for Research on Cancer? no  
Ingredient(s) listed: None

**SECTION 6. REACTIVITY DATA**

STABILITY: Chemically stable  
Conditions to avoid: Sparks, open flames and high heat.  
Materials to avoid: Oxidizing materials, strong acids, strong bases, and some amines.  
Hazardous decomposition products: Burning produces dense, toxic smoke including carbon monoxide, carbon dioxide, and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: will not occur.  
Conditions to avoid: None.

**SECTION 7. SPILL OR LEAK PROCEDURES**

SPILL CONTROL: LARGE SPILLS--Evacuate area; eliminate ignition sources; wear protective clothing, overshoes, and respirator. Flood spill area with water; absorb spill on inert material such as vermiculite and transfer to impervious container. Dried adhesive is flammable! SMALL SPILL--Absorb on inert material.

WASTE DISPOSAL: Dispose of as hazardous waste under applicable federal, state, and local regulation.

Applicable CERCLA/RCRA Hazardous Waste Codes: U002 (acetone); D001 (ignitability)  
Reportable quantity under CERCLA, in pounds: 100

**SECTION 8. PROTECTIVE EQUIPMENT**

EYES: Chemical splash goggles or full-face shield is recommended for those working with this adhesive in larger quantities which could splash.  
SKIN: Use rubber gloves for repeated or prolonged contact.  
RESPIRATORY: None in normal use with good ventilation; otherwise use NIOSH-approved organic vapor respirator.  
VENTILATION: Provide sufficient ventilation to keep below TLV & LEL

**SECTION 9. PRECAUTIONS FOR STORAGE, HANDLING, ETC.**

---Keep away from heat, sparks and open flames.  
---Close container after use. Store in a cool, well-ventilated area.  
---Do not store above 120F.  
---Wash thoroughly before eating or smoking.  
---Use only with adequate ventilation. Avoid breathing vapors.

PROPER SHIPPING NAME: Adhesive (Containers under 1 pint are ORM-D) UN 1133  
D.O.T. HAZARD CLASS: Flammable liquid (ORM-D < 1 pint)