

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DOWN & UP
PRODUCT CODE: Z47 (formerly 1115)
PRODUCT CLASS: ALKALINE CLEANER

RATINGS:
4-EXTREME
3 SERIOUS
2-SIGNIFICANT
1-SLIGHT
0-MINIMUM

HMIS HAZARD RATING:	
HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION:	D

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: CELLO PROFESSIONAL PRODUCTS
ADDRESS: 1354 Old Post Road, Havre de Grace, MD 21078
EMERGENCY PHONE - INFOTRAC 24 HOURS: 800-535-5053
INFORMATION PHONE: 800-638-4850

REVISED: 7/1/06

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg	@ TEMP	WEIGHT PERCENT
* ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	.6	20°C	7.75
PEL 25ppm;120mg/m3 TWA (8 Hr.) SKIN	TLV 25ppm;121mg/m3 TWA (8 Hr.) SKIN			
ETHANOLAMINE, 2-AMINO-ETHANOL, 2-HYDROXYETHYLAMINE	141-43-5	<1	28°C	3.75
PEL: 3ppm;8mg/m3,TWA STEL 6ppm; 15 mg/m3	TLV: 3ppm;7.5 mg/m3, TWA STEL 6ppm; 15 mg/m3			
POTASSIUM HYDROXIDE	1310-58-3	NA	NA	2.25
PEL :2 mg/m3, CEILING	TLV :2 mg/m3, CEILING			

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Indicates hazardous chemical(s) subject to the reporting requirements of section 312 of Title III and of 40 CFR 370.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT : 200°F
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than water
APPEARANCE : Clear liquid
pH : 13.3

SPECIFIC GRAVITY (H₂O=1): 1.03
VAPOR PRESSURE : N/D
SOLUBILITY IN WATER: Completely
ODOR : Mild Sweet
VOLATILE : 97.35%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : >100°C
FLASH METHOD: SETA FLASH
EXTINGUISHING MEDIA: If involved in a fire use foam, CO₂, or water fog
SPECIAL FIREFIGHTING PROCEDURES: Spray water on cartons involved in fire to keep them from igniting. Wear self-contained breathing apparatus due to the possible toxic fumes from plastic containers and or the vaporization of potentially harmful chemicals. (See Section II)
UNUSUAL FIRE AND EXPLOSION HAZARDS: Area will become slippery if material is released.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Extreme heat or flames. Keep from freezing. Avoid contact with aluminum or other soft metals.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids, strong alkalies and oxidants.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Nitrogen, Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: High concentrations are irritating to the eyes and respiratory tract. May cause headache, dizziness, nausea and vomiting.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Corrosive to skin, could cause blindness if gotten in eyes.
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Absorption through skin may cause headache, nausea, dizziness, and vomiting
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: May cause permanent injury by damaging bronchial tract, esophagus and mucous membranes.
HEALTH HAZARDS (ACUTE AND CHRONIC): Contact with eyes can cause corneal damage. Extended overexposure can cause kidney/liver damage, dizziness, headaches, nausea, vomiting.
CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No not listed
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate existing conditions of dermatitis and / or liver or kidney disorders.
EMERGENCY AND FIRST AID PROCEDURES:
IF IN EYES: Immediately flush with plenty of warm water for 15 minutes while keeping eyelids apart for maximum irrigation. If irritation persists contact physician.
IF ON SKIN: Wash off with large amounts of soap and water. If irritation persists contact a physician. Wash contaminated clothing before re-use.
IF INHALED: If victim complains of headache, dizziness or nausea, remove victim to fresh air. If breathing becomes difficult or condition persists, contact a physician.
IF INGESTED: Drink large quantities of fruit juices or vinegar followed by large quantities of milk or egg whites. Do not induce vomiting. Contact physician. Never give anything by mouth to an unconscious victim.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove sources of ignition. Dike area to contain material. Area may become slippery. Neutralize by adding diluted solutions of any of the following acids: Vinegar, citric acid, muriatic acid. Absorb product onto porous material such as sand, diatomaceous earth or commercial absorbent material. Shovel up into leak proof containers.
WASTE DISPOSAL METHOD: Consult local, state and or federal authorities for proper disposal
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store near acids, oxidizers, alkalies and base metals. Keep from excessive heat and keep from freezing. Do not store near consumables. Keep out of reach of children.
OTHER PRECAUTIONS: Read and follow all directions. Use in a manner consistent with product intent.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH approved vapor respirator in the absence of proper environmental control.
VENTILATION: Good ventilation is required. In the absence of good ventilation mechanical devices are recommended.
PROTECTIVE GLOVES: Chemical resistant gloves recommended
EYE PROTECTION: Safety splash goggles recommended
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Source of water for washing is recommended.
WORK/HYGIENIC PRACTICES: Wash hands after use and before eating, drinking, or smoking. Remove contaminated clothing and wash before reuse.

SECTION IX - REGULATORY INFORMATION

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE US TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY.

This product is a DOT hazardous material. BILL OF LADING (gallons, pails and drums): "Corrosive liquids, n.o.s. (Contains Ethanolamine and potassium hydroxide), 8, UN1760, II"

The ingredients from Section II are subject to the following reporting requirements:

MA - The Massachusetts Hazardous Substance List

NJ - The New Jersey Right-to-Know Hazardous Substance List

PA - The Pennsylvania Hazardous Substance List

SECTION X - DISCLAIMER

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended or implied as to the applicability of this information to the users intended purpose or for the consequences of its use or misuse.