

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CEEL-CO ADHESIVE WHITE
 PRODUCT CODE: A-300 WH

HMS CODES: H F R P
 2* 3 0

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: COLORADO PAINT COMPANY
 ADDRESS: 4747 HOLLY STREET, DENVER, CO 80216
 EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: 303-388-9265
 DATE REVISED : 12-12-91 NAME OF PREPARER : KENDRA BLACK

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

| HAZARDOUS COMPONENTS | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE mm Hg @ 20°C | WEIGHT PERCENT |
|-----------------------------|------------|------------------------------|-----------|-------|--------------------------------|-------------------|
| | | OSHA PEL | ACGIH TLV | OTHER | | |
| *ETHER/TETRAHYDROFURAN | 109-99-9 | 200 PPM | 200 PPM | | 143.0 58F | 55.34 |
| *KETONE/METHYL ETHYL KETONE | 78-33-3 | 200 PPM | 200 PPM | | 70.0 63F | 5.33 |
| *NITROETHANE | | 37 PPM | | | N/A | 5.88 |
| *1-NITROPROPANE | 108-03-2 | 37 PPM | | | N/A | 3.32 |

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

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 151 to 175 Deg F SPECIFIC GRAVITY (H2O=1): 1.0
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: FASTER THAN ETHER
 COATING V.O.C. : 5.91 LB/GL (708 G/L)
 MATERIAL V.O.C.: 5.91 LB/GL (708 G/L)
 SOLUBILITY IN WATER: NON SOLUBLE
 APPEARANCE AND ODOR: ADHESIVE WITH STRONG SOLVENT ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 6 Deg F METHOD USED: TCC
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.0% UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS

MATERIAL IS HIGHLY VOLATILE AND GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND AND BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

A-300 WH

MATERIAL SAFETY DATA SHEET

PAGE 2 OF 3

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE**CONDITIONS TO AVOID**

HEAT, SPARKS, OPEN FLAMES AND FIRE.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.

HAZARDOUS POLYMERIZATION: MAY OCCUR

POLYMERIZATION CAN OCCUR IN THE PRESENCE OF CATIONIC INITIATORS SUCH AS SELECTED BOWEN ACIDS OR STRONG PROTON ACIDS.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CAUSES IRRITATION, BURNS IF NOT REMOVED.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: SEE ABOVE. CHRONIC: OVEREXPOSURE TO COMPONENTS IN THIS MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? YES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

POSSIBLE ALLERGIC REACTIONS.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. USE MILD HAND CREAM. EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY DRINK TWO GLASSES OF WATER, AND GET IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. IF NECESSARY, ADMINISTER OXYGEN AND/OR ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

A-300 WH

MATERIAL SAFETY DATA SHEET

PAGE 3 OF

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER CONTAINERS FOR PROPER DISPOSAL. PUMP LARGE SPILLS INTO CONTAINERS FOR REUSE.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. CONTACT LOCAL WASTE MANAGEMENT CO FOR FURTHER INFO

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUMS (EVEN EMPTY DRUMS) BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY. ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSPORTED.

OTHER PRECAUTIONS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLIDS), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S.

PROTECTIVE GLOVES

WEAR RESISTANT GLOVES SUCH AS: POLYVINYL ALCOHOL.

EYE PROTECTION

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED. OSHA REGULATIONS ALSO PERMIT OTHER GLASSES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

WORK/HYGIENIC PRACTICES

SECTION IX - DISCLAIMER

DISCLAIMER

WE BELIEVE THAT THE INFORMATION CONTAINED IN THE MSDS SHEET IS ACCURATE. HOWEVER, BECAUSE THIS MATERIAL CAN BE USED UNDER CONDITIONS OVER WHICH WE HAVE NO CONTROL, WE GIVE NO WARRANTY, EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION, AND ASSUME NO RESPONSIBILITY FOR DAMAGE TO PERSON, PROPERTY, OR BUSINESS ARISING FROM ITS USE.