

Product Code: MFA-300 WH
 Product Name: ADHESIVE FASTENER WELD & LAP SEALER

COLORADO PAINT COMPANY II, 4747 HOLLY STREET, DENVER, CO 80216
 24-hour Emergency Phone: 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(See top of page)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
TETRAHYDROFURAN OSHA PEL: 200 PPM, ACGIH PEL: 200 PPM	109-99-9	45-<60
VINYL RESIN (NO EXPOSURE LIMITS ESTABLISHED)	9003-22-9	20-<30
* METHYL ETHYL KETONE OSHA PEL: 200 PPM, ACGIH TLV: 200 PPM	78-93-3	20-<30
TITANIUM DIOXIDE OSHA PEL: (TWA)15 mg/m3, ACGIH TLV:(TWA) 10 mg/m3	13463-67-7	1-<5
ACETONE OSHA PEL: 750, ACGIH TLV: 750	67-64-1	1-<5
ISOPROPANOL OSHA PEL: 400 PPM, ACGIH TLV: 400 PPM	67-63-0	1-<5
VINYL ACETATE 10 PPM, TWA 8, OSHA & ACGIH; 20 PPM,STEL, OSHA & ACGIH	108-05-4	.1-<5

3. HAZARDS IDENTIFICATION

EXPOSURE TO THIS MATERIAL THROUGH BREATHING
 SWALLOWING OR SKIN ABSORPTION CAN CAUSE
 INTESTINAL UPSET, IRRITATION, CENTRAL NERVOUS
 SYSTEM DEPRESSION

Potential Health Effects

EYE:

MAY CAUSE MILD EYE IRRITATION. SYMPTOMS INCLUDE
 STINGING, TEARING AND REDNESS AND POSSIBLE BLURRED
 VISION.

SKIN:

CAN CAUSE SKIN IRRITATION. PROLONGED CONTACT MAY
 DRY SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING,
 DRYING, CRACKING OF SKIN, BURNS AND OTHER SKIN
 DAMAGE.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING
 AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN

Date Printed: 6/6/2007

Page: 2

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CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

INHALATION:

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

CHRONIC (CANCER) INFORMATION:

TETRAHYDROFURAN HAS SHOWN SLIGHT INCREASE IN KIDNEY CANCER IN MALE MICE AND INCREASED LIVER CANCER IN FEMALE MICE. THE RELEVANCE TO HUMANS IS UNCERTAIN

TERATOLOGY (BIRTH DEFECT) INFORMATION:

COMPONENTS OF THIS MATERIAL HAVE BEEN SHOWN TO HARM THE FETUS. HARM OCCURS AT LEVELS THAT HARM THE PREGNANT ANIMAL, RELEVANCE OF THESE FINDINGS TO HUMANS IS UNCERTAIN

REPRODUCTION INFORMATION:

NO INFORMATION

4. FIRST AID MEASURES

EYES:

FLUSH WITH WATER, FOR 15 MINUTES REST EYES 30 MINUTES.
IF REDNESS, SWELLING OR BURNING PERSIST CONSULT PHYSICIAN.

SKIN:

REMOVE CONTAMINATED CLOTHING WASH CONTACT AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION IF AN ADVERSE REACTION RESULTS.

INGESTION:

DO NOT INDUCE VOMITING. RINSE MOUTH OUT WITH WATER. GET MEDICAL ATTENTION.

INHALATION:

REMOVE VICTIM TO FRESH AIR, PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPERATION IF NOT BREATHING. GET MEDICAL ATTENTION.

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NOTE TO PHYSICIANS: PREEXISTING DISORDERS OF FOLLOWING ORGANS MAY BE AGGRAVATED BY EXPOSURE; SKIN, LUNG, LIVER, KIDNEY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 6 DEGREES F Method: TCC

FLAMMABLE LIMITS:

Lower flammable limit: 1.9%
Upper flammable limit: 11.8%

AUTOIGNITION TEMPERATURE: 610 DEG F

HAZARDOUS COMBUSTION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE
AND VARIOUS HYDROCARBONS.

EXTINGUISHING MEDIA:

FOAM, CO₂, DRY CHEMICAL

FIREFIGHTING INSTRUCTIONS:

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

SMALL: ABSORB ON PAPER, VERMICULITE, FLOOR ABSORBENT,
OR OTHER MATERIAL, TRANSFER TO CONTAINERS FOR DISPOSAL.
LARGE: ELIMINATE ALL IGNITION SOURCES, WEAR PROTECTIVE
CLOTHING, DIKE AREA, PUMP LIQUID TO TANK, ABSORB REMAINDER
AS ABOVE.

LARGE SPILL:

ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT SOURCE,
PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS ETC.
PUMP OR VACUM TRANSFER PRODUCT TO CLEAN CONTAINERS.
ABSORB BALANCE, TRANSFER ABSORBANTS, SOIL ETC. TO
CONTAINERS FOR DISPOSAL. IF RUNOFF OCCURS NOTIFY
AUTHORITIES.

Date Printed: 6/6/2007

Page: 4

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7. HANDLING AND STORAGE

HANDLING:

ACUTE: SEE ABOVE. CHRONIC: OVEREXPOSURE TO SOME OF THE COMPONENTS IN THIS MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF CENTRAL NERVOUS SYSTEM EFFECTS IN HUMANS.

STORAGE:

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

PROVIDE SUFFICIENT MECHANICAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV,S.

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.

SKIN PROTECTION:

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 133 DEG F
MELTING POINT: NOT DETERMINED
VAPOR PRESSURE: 143 MM @68 DEG F
VAPOR DENSITY: HEAVIER THAN AIR
SOLUBILITY IN WATER: INSOLUBLE
SPECIFIC GRAVITY: .98
pH: N/A

Date Printed: 6/6/2007

Page: 5

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ODOR: ODOR CHARACTERISTIC OF HYDROCARBON SOLVENT**APPEARANCE:**

PRODUCTS IN THIS MSDS CLASSIFICATION MAY VARY FROM
A VISCOUS TRANSPARENT LIQUID TO AN OPAQUE SEMI-PASTE.

10. STABILITY AND PHYSICAL HAZARDS**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

STABLE

INCOMPATIBILITY:

STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE

HAZARDOUS POLYMERIZATION:

NOT EXPECTED TO OCCUR.

11. TOXICOLOGICAL INFORMATION**EYE: NO INFORMATION****SKIN: NO INFORMATION****INGESTION: NO INFORMATION****INHALATION: NO INFORMATION****SUBCHRONIC: NO INFORMATION****CHRONIC/CARCINOGENICITY: NO DATA****TERATOLOGY: NO INFORMATION****REPRODUCTION: NO INFORMATION****MUTAGENICITY: NO INFORMATION****12. ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION:**

NO INFORMATION

CHEMICAL FATE INFORMATION:

NO INFORMATION

13. DISPOSAL CONSIDERATIONS

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 6/6/2007

Page: 6

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

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

ADHESIVES, 3, UN1133, II

15. REGULATORY INFORMATION (Not meant to be all inclusive - selected regulations)

U.S. FEDERAL REGULATIONS:

THIS PRODUCT AND/OR ALL OF ITS COMPONENTS ARE EITHER INCLUDED ON OR EXEMPT FROM TSCA INVENTORY OF CHEMICAL SUBSTANCES

OSHA: NOT LISTED

CERCLA: SARA HAZARD CATEGORY:
TETRAHYDROFURAN RQ 1000LBS

SECTION 313:

* Component(s) reportable as SARA Title III section 313 chemical(s).*

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:
NO INFORMATION

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):
THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

EINECS: THE INTENTIONAL INGREDIENTS ARE LISTED

STATE REGULATIONS:

PENNSYLVANIA, NEW JERSEY RTK LABEL INFORMATION
METHYL ETHYL KETONE AND TETRAHYDROFURAN.

VOLATILE ORGANIC COMPOUNDS:
VOC < 729 GM/L

16. OTHER INFORMATION

MSDS Status: ACTIVE

WE BELIEVE THAT THE INFORMATION CONTAINED IN THE MSDS

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 6/6/2007

Page: 7

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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.