

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	109-99-9	45-<60
OSHA PEL: 200 PPM, ACGIH PEL: 200 PPM		
* METHYL ETHYL KETONE	78-93-3	10-<20
OSHA PEL: 200 PPM, ACGIH TLV: 200 PPM		

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
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.

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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.

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

5. FIRE FIGHTING MEASURES

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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.

7. HANDLING AND STORAGE

HANDLING:

ACUTE: SEE ABOVE. CHRONIC: OVEREXPOSURE TO SOME OF THE

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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 ASDVISED
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
ODOR: ODOR CHARACTERISTIC OF HYDROCARBON SOLVENT
APPEARANCE:
PRODUCTS IN THIS MSDS CLASSIFICATION MAY VARY FROM
A VISCOUS TRANSPARENT LIQUID TO AN OPAQUE SEMI-PASTE.

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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

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

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

ADHESIVES, 3, UN1133, II

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

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:

CONTAINS <550 GM/L

16. OTHER INFORMATION

MSDS Status: ACTIVE

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

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: 2/5/2010

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ACCURACY OF THE INFORMATION, AND ASSUME NO RESPONSIBILITY
FOR DAMAGE TO PERSON, PROPERTY, OR BUSINESS ARISING FROM
ITS USE.