

## SECTION I - MATERIAL SAFETY DATA SHEET

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**TEMPO PRODUCTS CO.****A PLASTI-KOTE CO., INC.**

1000 LAKE ROAD

MEDINA, OHIO 44256

1-330-725-4511

1-800-255-3924 24 Hour Emergency Only

DATE PREPARED: 08/12/96

PRODUCT CLASS: BULK PAINT MATERIAL

SHIPPING NAME: CONSUMER COMMODITY

FLAMMABLE LIQUID, N.O.S.

ORM-D INT'L UN NO. : 1993

NE = NONE ESTABLISHED

NA = NONE AVAILABLE

HAZARD RATINGHMISNEPA

4 = SEVERE

HEALTH 1

HEALTH 2

3 = SERIOUS

FLAMMABILITY 3

FLAMMABILITY 3

2 = MODERATE

REACTIVITY 0

REACTIVITY 0

1 = SLIGHT

PERSONAL -

OTHER --

0 = MINIMAL

PROTECTION E

## SECTION II - HAZARDOUS INGREDIENTS

PRODUCT NAME :

**MARINE****GAS TREATMENT**

PRODUCT#

PRODUCT#

PRODUCT#

PRODUCT#

K100

INGREDIENT	CAS NUMBER	ACGIH TWA PPM	OSHA PEL PPM	OTHER TLV PPM	VAPOR PRESSURE mmHg at 20 C	% (wt)	% (wt)	% (wt)	% (wt)
* METHANOL	67-56-1	50		100	96	20			
* N-BUTYL ALCOHOL	71-36-3	50	100	---	4.2	40			
2-BUTOXY ETHANOL	111-76-2	25	50	---	1.0	40			

\* THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

## SECTION III - PHYSICAL DATA

BOILING RANGE:	148° - 340° F	VAPOR DENSITY:	<input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter than air
MELTING POINT:	NA	WEIGHT PER GALLON:	7.1
VAPOR PRESSURE:	See Section II	SPECIFIC GRAVITY :	(H2O = 1): < 1
SOLUBILITY IN WATER:	Partial	EVAPORATION RATE:	<input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower than ether
APPEARANCE AND ODOR:	Clear Liquid		(Butyl Acetate = 1) Section 1 products > 1
PERCENT VOLATILE BY VOLUME:	100	Propellants > 1	( Propellant faster)

See Section II for volatile, hazardous components.

VOC:

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FLAMMABILITY CLASSIFICATION: OSHA: IB FLASH POINT: 54°F (12° C) TCC  
(FLAMMABLE LIQUID)

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL LEL 1.0

## UNUSAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other locations distant from material handling point.

## SPECIAL FIRE FIGHTING PROCEDURES:

If water is used, fog nozzles are preferable use self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

## SECTION V - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:  INHALATION  SKIN  INGESTION  EYES

CARCINOGENICITY:  NTP  IARC  OSHA

Ingredients for product(s) listed in Section I are not found in these agencies lists.

## SYMPTOMS OF OVEREXPOSURE:

**ACUTE:**

**BREATHING -** EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION.

**EYE CONTACT -** CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.

**SWALLOWING -** POISONOUS! CAN CAUSE NAUSEA AND BLINDNESS IF LARGE AMOUNTS ARE SWALLOWED.

**SKIN CONTACT -** CAN CAUSE IRRITATION FOR SOME PERSONS.

**CHRONIC:** None known for product(s) in Section 1.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, SEVERE OVEREXPOSURE IN LABORATORY ANIMALS HAS ALSO CAUSED LIVER ABNORMALITIES AND DAMAGE TO KIDNEYS, LUNGS, AND SPLEEN, HEART AND ADRENALS. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

**MEDICAL CONDITIONS:** Generally Aggravated By Exposure - Can cause respiratory and/or skin reaction.

## FIRST AID:

**EMERGENCY PROCEDURES:**

1. IF BREATHED - REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING IS STOPPED, GIVE ARTIFICIAL RESPIRATION AND SEEK MEDICAL HELP.
2. IF IN EYES - FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.
3. IF SWALLOWED - DO NOT INDUCE VOMITING (ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE PNEUMONITIS, WHICH CAN BE FATAL). KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION/POISON CONTROL CENTER.
4. IF ON SKIN - WASH WITH SOAP AND WATER OR VARIOUS HAND CLEANERS, AND WASH CLOTHING.

## SECTION VI - REACTIVITY DATA

STABILITY:  UNSTABLE  STABLE HAZARDOUS POLYMERIZATION:  MAY OCCUR  WILL NOT OCCUR

CONDITIONS TO AVOID: Heat, Sparks and open flame.

INCOMPATIBILITY (Materials to avoid): Avoid contact with strong oxidizing agents and heat.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials, carbon dioxide/carbon monoxide, various hydrocarbons, nitrogen compounds, etc., when burned.

CONDITIONS TO AVOID: Not applicable.

## SECTION VII - SPILL OR LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

ELIMINATE ALL IGNITION SOURCES, VENTILATE AREA, ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO A CLOSED CONTAINER.

**WASTE DISPOSAL METHOD:** MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE DEPOSITED IN A POSTED TOXIC SUBSTANCE LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT STORE IN AREAS ABOVE 120° F, OR IN DIRECT SUNLIGHT, OR NEAR HEAT OR OPEN FLAMES.  
DO NOT PUNCTURE OR INCINERATE.

**OTHER PRECAUTIONS:** NONE.

**DOT STORAGE CATEGORY:** STORE LARGE QUANTITIES IN BUILDING PROTECTED FOR STORAGE OF FLAMMABLE LIQUIDS.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION :** FOR CASUAL/OCCASIONAL USE - TO AVOID BREATHING VAPORS, OPEN WINDOWS AND DOORS OR USE OTHER MEANS TO ENSURE FRESH AIR ENTRY. IF YOU EXPERIENCE EYE WATERING, HEADACHE OR DIZZINESS, INCREASE FRESH AIR, OR LEAVE THE AREA.

**VENTILATION:** FOR REGULAR/CONTINUOUS USE - PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S IN SECTION II.

**PROTECTIVE GLOVES:** WEAR CHEMICAL RESISTANT GLOVES, SUCH AS NEOPRENE. IF SKIN CONTACT IS TO BE AVOIDED.

**EYE PROTECTION:** CHEMICAL SPLASH GOGGLES, IN COMPLIANCE WITH OSHA REGULATIONS, ARE ADVISED.

**OTHER EQUIPMENT:** WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, SEEK THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST.

**WORK/HYGENIC PRACTICES:** WASH HANDS BEFORE EATING OR USING WASHROOM. AS WITH ALL CHEMICALS, MINIMIZE PERSONAL CONTACT.

THE INFORMATION CONTAINED ABOVE IS BELIEVED TO BE ACCURATE. BUT IS NOT WARRANTED. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO CIRCUMSTANCES.

MSDS SHEETS PREPARED BY:

DATE: