

DATE: April 23, 2007

CARCO, INC. MATERIAL SAFETY DATA SHEET

MANUFACTURER: CARCO, INCORPORATED  
NAME: P. PINCHAK, TECHNICAL DIRECTOR

10333 SHOEMAKER, DETROIT, MI 48213  
EMERGENCY TELEPHONE NO.: (313) 925-9000

SECTION I -- IDENTIFICATION OF PRODUCT

Trade Name: rswVmi--pvdwS

TRADE NAME: XX-1346 (ALL COLORS) CHEMICAL FAMILY: MARKING INK

HAZARDOUS MATERIAL: INK (UN-1210); FLAMMABLE LIQUID (49 CFR 172.101)

SECTION II -- HAZARDOUS INGREDIENTS

CAS NO.	%	CHEMICAL NAMES	ACGIH (ppm)		OSHA (ppm)	
			TLV-TWA	TLV-STEL	PEL/TWA	PEL/CEIL
67-64-1	70-80	Acetone	500	750	750	1000
123-86-4	2-4	Butyl Acetate	150	200	---	---
108-21-4	0-3	iso-Propyl Acetate	100	200	250	---
141-78-6	3-5	Ethyl Acetate	400	---	400	---
64-17-5	0-5	Ethyl Alcohol	1000	---	---	---

ALL INGREDIENTS LISTED ON THE CANADIAN DSL  
NO CARCINOGENIC INGREDIENTS PER 29 CFR 1910.1200 (IARC, NPT or OSHA)  
ALL INGREDIENTS LISTED ON THE EPA-TSCA INVENTORY  
THIS PRODUCT MEETS THE REQUIREMENTS OF THE CURRENT YEARS WSS-M99P9999-A1

SECTION III -- PHYSICAL DATA

APPEARANCE AND ODOR	: COLORED LIQUID;	SWEET, ACETONE ODOR
BOILING POINT (init °F)	: 132 °F	MATERIAL IS LIQUID
VAPOR PRSSURE (mm Hg)	: < 185	SPECIFIC GRAVITY (H2O=1) : 0.82-0.90
VAPOR DENSITY (AIR = 1)	: > 2	PERCENT VOLATILE (%-wt) : 75-85%
SOLUBILITY IN WATER	: 80%	EVAPORATION RATE (BU.AC.=1): 5.2

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD: SETAFLASH)	: 0 °F
FIRE EXTINGUISHING METHOD	: ALCOHOL FOAM; DRY CHEM; CO2
SPECIAL FIRE FIGHTING PROCEDURES	: NONE
UNUSUAL FIRE & EXPLOSION HAZARDS	: DANGER: EXTREMELY FLAMMABLE; HANDLE WITH CARE
FLAMMABLE UNITS (% IN AIR)	: LEL 2.6 UEL 12.8

SECTION V -- HEALTH HAZARD DATA

EYE CONTACT	: MODERATELY IRRITATING TO THE EYES MAY CAUSE TRANSIENT EYE IRRITATION CORNEAL INJURY IS UNLIKELY	H.M.I.S.
SKIN CONTACT	: MILDLY IRRITATING TO THE SKIN PROLONGED SKIN CONTACT WITH VERY LARGE AMOUNTS MAY CAUSE DROWSINESS	Health H: 2 Moderate Flamm. F: 3 Serious React. R: 1 Slight
INHALATION	: MAY CAUSE MILD IRRITATION TO THE NOSE, THROAT, AND RESPIRATORY TRACT; MAY RESULT IN CNS DEPRESSION.	
INGESTION	: GENERALLY CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY	
SIGNS AND SYMPTOMS	: IRRITATION AS NOTED ABOVE; CNS DEPRESSION MAY BE EVIDENCED BY DIZZINESS, HEADACHE AND NAUSEA. EXCESSIVE EXPOSURE MAY CAUSE ANESTHETIC OR NARCOTIC EFFECTS	

CONT.

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## -----SECTION V -- HEALTH HAZARD DATA - CONT-----

AGGRAVATED MEDICAL CONDITION : PRE EXISTING SKIN, EYE, AND RESPIRATORY  
 DISORDERS MAY BE AGGRAVATED BY EXPOSURE

PRIMARY ROUTES OF ENTRY : INHALATION

EMERGENCY : SKIN/EYES : FLUSH WITH WATER  
 FIRST AID : INHALATION : REMOVE PERSON TO FRESH AIR; - TREAT SYMPTOMATICALLY  
 PROCEDURES : INGESTION : LOW TOXICITY IF SMALL AMOUNTS SWALLOWED  
 - DO NOT INDUCE VOMITING  
 ASPIRATION HAZARD – SMALL AMOUNTS OF LIQUID ASPIRATED  
 INTO RESPIRATORY SYSTEM MAY CAUSE LUNG DAMAGE.  
 SEEK MEDICAL ATTENTION

INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE MAY RESULT IN DIFFICULT  
 BREATHING, NAUSEA, VOMITING, AND HEADACHE ACCOMPANIED BY VARIOUS DEGREES OF  
 CNS DEPRESSION (COMA AND/OR DEATH ARE EVEN POSSIBLE)

## ----- SECTION VI-- REACTIVITY DATA -----

STABILITY : STABLE  X   
 INCOMPATABILITY : STRONG OXIDIZERS  
 HAZARDOUS DECOMPOSITION : NONE  
 HAZARDOUS POLYMERIZATION : WILL NOT OCCUR  X

## ----- SECTION VII -- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IN : REMOVE IGNITION SOURCES;  
 CASE MATERIAL IS : ADD ABSORBENT;  
 RELEASED OR SPILLED : REMOVE WITH RUBBER SHOVEL

WASTE DISPOSAL METHOD : INCINERATION OR LANDFILL IN ACCORDANCE  
 WITH FEDERAL, STATE AND LOCAL ORDINANCES

VOLATILE ORGANIC COMPOUND (VOC): 75-85 wt-% ; APPROX. 6.2-6.4 lbs/GAL  
 \*\*\* NOTE: SOME STATES (INCLUDING MICHIGAN) NOW EXEMPT ACETONE FROM V.O.C.\*\*\*  
 V.O.C. EXCLUDING ACETONE = 0.96-0.98 lbs/GALLON

## -----SECTION VIII-- SPECIAL PROTECTION INFORMATION-----

RESPIRATORY PROTECTION : NONE NORMALLY REQUIRED  
 VENTILATION LOCAL EXHAUST : MAINTAIN LTV  
 PROTECTIVE GLOVES : NEOPRENE OR BUTYL RUBBER, IF PROLONGED CONTACT  
 EYE PROTECTION : SAFETY GLASSES WITH SIDE SHIELDS  
 OTHER PROTECTIVE EQUIPMENT : NONE NORMALLY REQUIRED

## ----- SECTION IX -- SPECIAL PRECAUTIONS -----

PRECAUTIONS TO BE TAKEN : AVOID PROLONGED OR REPEATED INHALATION OF VAPORS.  
 IN HANDLING AND STORAGE : AVOID PROLONGED OR REPEATED SKIN CONTACT.  
 : STORE AWAY FROM HEAT, SPARKS, OPEN FLAMES.

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