

DATE: April 18, 2007

CARCO, INC. MATERIAL SAFETY DATA SHEET

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

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

-----SECTION I -- IDENTIFICATION OF PRODUCT-----

rswV---pdw

TRADE NAME: F-123 (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
141-78-6	5-10	Ethyl Acetate	400	---	400	---
67-63-0	20-30	2 - Propanol (iso-Propanol)	200	400	400	---
107-98-2	25-35	1 - Methoxy Propanol - 2 (Propylene Glycol Methyl Ether)	100	150	---	---
108-21-4	0-6*	iso-Propyl Acetate	100	200	250	---
123-86-4	0-6*	n-Butyl Acetate	150	200	---	---

* SOME COLORS DO CONTAIN 0%.

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, ALCOHOL ODOR
BOILING POINT (init°F)	: 160°F	MATERIAL IS LIQUID
VAPOR PRSSURE (mm Hg)	: < 40	SPECIFIC GRAVITY (H2O=1) : 0.9-1.1
VAPOR DENSITY (AIR = 1)	: > 2	PERCENT VOLATILE (%) : 80-90%
SOLUBILITY IN WATER	: 65-75%	EVAPORATION RATE (BU.AC.=1): 1.0
V.O.C. (VOLATILE ORGANIC COMPOUND) = 70 WT-%; APPROX 4.9 lbs/GAL.		

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

FLASH POINT (METHOD: SETAFLASH)	: 50-60 °F (SETAFLASH)
FIRE EXTINGUISHING METHOD	: ALCOHOL FOAM; DRY CHEM; CO2
SPECIAL FIRE FIGHTING PROCEDURES	: NONE
UNUSUAL FIRE & EXPLOSION HAZARDS	: NONE
FLAMMABLE UNITS (% IN AIR)	: LEL 3.0 UEL 19

----- 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	

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

SIGNS & SYMPTOMS : IRRITATION AS NOTED ABOVE; CNS DEPRESSION MAY BE EVIDENCED BY DIZZINESS, HEADACHE AND NAUSEA. EXCESSIVE EXPOSURE MAY CAUSE ANESTHETIC OR NARCOTIC EFFECTS

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
 INCOMPATIBILITY : STRONG OXIDIZERS
 HAZARDOUS DECOMPOSITION : NONE
 HAZARDOUS POLYMERIZATION : WILL NOT OCCUR X

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : REMOVE IGNITION SOURCES;
 ADD ABSORBENT;
 REMOVE WITH RUBBER SHOVEL
 WASTE DISPOSAL METHOD : INCINERATION OR LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ORDINANCES

VOLATILE ORGANIC COMPOUND (VOC): 70 WT-% ; APPROX 4.9 lbs/GAL.

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

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