

Spray Paint
 (G)

MATERIAL SAFETY DATA SHEET

PAI NUMBER: 86478, C6478
 PRODUCT NAME: IPC OSHA ORANGE
 TRADE NAME OR CHEMICAL NAME: IPC OSHA ORANGE
 PRODUCT CLASS: AEROSOL- CHAIN STOPPED ALKYD RESIN
 MANUFACTURERS CODE IDENTIFICATION: PS-0008-6478

*****SECTION I*****

MANUFACTURED FOR PARTS ASSOCIATES INC.

DISTRIBUTORS NAME:	PARTS ASSOCIATES INC.
DISTRIBUTOR'S ADDRESS:	12420 PLAZA DR.
CITY, STATE, ZIP:	PARMA, OH 44130
TELEPHONE NUMBER:	216-433-7700
EMERGENCY TELEPHONE:	(800) 255-3924 CHEM-TEL, INC.
DATE PREPARED: 7-30-93	

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFO

HAZARDOUS COMPONENTS:

INGREDIENTS CAS #	%	ACGIH TLV(TWA)/OSHA PEL PPM	MG/M3	LEL	VAPOR PRESSURE AEROSOL CANS 40 P.S.I.A. & 70 DEG. F.
TITANIUM DIOXIDE 13463-67-7 (AS DUST)	.34	ND ND	10.00 10.00	ND	
XYLENE (1) 1330-20-7	13.53	100.00 100.00	434.00 435.00	1.00	
ETHYL BENZENE (1) 100-41-4	3.38	100.00 100.00	434.00 425.00	1.20	
METHYL ISOBUTYL KETONE (1) 108-10-1	3.50	50.00 50.00	205.00 205.00	1.40	
ACETONE (1) 67-64-1	14.98	750.00 750.00	1780.00 1800.00	2.60	
MINERAL SPIRITS (1) 64742-47-8	.17	100.00 100.00	ND 525.00	.70	
VARNISH MAKERS & PAINTER NAPHTHA 8032-32-4	.54	300.00 300.00	1370.00 1350.00	1.10	
ETHYLENE GLYCOL MONOPROPYL ETHER (1) 2807-30-9	3.15	ND ND	ND ND	1.26	
PROPANE 74-98-6	15.0	ND 1000.0	ND 1800.0	2.30	

ISOBUTANE 10.0 ND ND 1.90
75-28-5

- (1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.
- (2) THIS CHEMICAL IS ON THE LIST OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY (PROPOSITION 65).

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA
 VAPOR DENSITY: HEAVIER THAN AIR
 % VOLATILES BY ORGANIC BY WEIGHT: 64.9%
 EVAPORATION RATE: FASTER THAN ETHER
 WEIGHT PER GALLON: 6.983

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): AEROSOL-10 DEG. F. (T.O.C.)
 FLAMMIBILITY CLASSIFICATION: 1A
 OSHA: CLASS 1A FLASH POINT BELOW 73 DEG. F. AND A BOILING POINT BELOW 100 F.
 DOT: CONSUMER COMMODITY ORM D

FLAMMABLE LIMITS:
 LEL: SEE SECTION 2.
 UEL:

EXTINGUISHING MEDIA: USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT BURSTING. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXPOSURE TO HEAT MAY CAUSE BURSTING OF AEROSOL CAN.

SECTION V: HEALTH HAZARD

THRESHOLD LIMIT VALUE: SEE SECTION 2.

ACUTE OVER EXPOSURE/FIRST AID:

INHALATION: EXPOSURE TO SOLVENT VAPORS CONCENTRATION EXCEEDING THE ESTABLISHED THRESHOLD LIMIT VALUES CAN CAUSE RESPIRATORY SYSTEM IRRITATION. SYMPTOMS OF OVEREXPOSURE ARE IRRITATION, HEADACHE, DIZZINESS, NAUSEA, POSSIBLE UNCONSCIOUSNESS AND ASPHYXIATION.
 FIRST AID: REMOVE PATIENT TO FRESH AIR, IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION.

~~EYE CONTACT: MAY CAUSE EYE IRRITATION ESPECIALLY UPON DIRECT CONTACT WITH THE SPRAY.~~

FIRST AID: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT: PROLONGED OR REPEATED LIQUID CONTACT MAY CAUSE DEFATTING OF THE SKIN, LEADING TO IRRITATION AND DERMITITIS.

FIRST AID: WASH WITH SOAP AND WATER.

INGESTION: ACCIDENTAL INGESTION IS UNLIKELY FROM A AEROSOL CAN. IF INGESTED, CALL A PHYSICIAN IMMEDIATELY.

FIRST AID: CALL A PHYSICIAN IMMEDIATELY.

CHRONIC OVEREXPOSURE:

TITANIUM DIOXIDE

13463-67-7 (AS DUST)

OVEREXPOSURE - NONE KNOWN

NOTE: INHALATION TEST IN RATS: DUST FROM DRIED PRODUCTS PRODUCED AN INERT OR NUISANCE DUST RESPONSE IN THE LUNGS.

XYLENE (1)

1330-20-7

OVEREXPOSURE- HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISK WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS, OR FUMES SHOULD BE MINIMIZED, REPORTS OF ANIMAL TEST STUDIES HAVE SHOWN POSSIBLE EFFECTS TO: THE LIVER, KIDNEYS AND THE LUNGS. REPORTS OF ANIMAL TEST STUDIES HAVE SHOWN EMBRYO/FOETOXIC EFFECTS. THE REVELANCE OF THESE EFFECTS TO MAN IS UNKNOWN. HIGH VAPOR CONCENTRATIONS (GREATER THAN APPROXIMATELY 1000 PPM) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS, ARE ANSETHETIC, AND MAY HAVE OTHER NERVOUS SYSTEM EFFECTS INCLUDING DEATH.

ETHYL BENZENE (1)

100-41-4

OVEREXPOSURE - MAY CAUSE SEVERE EYE IRRITATION, REDNESS, TEARING, AND BLURRED VISON. PROLONGED OR REPEATED EXPOSURE CAN CAUSE IRRITATION, DEFATTING AND DEMITITIS. EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION. CENTRAL NERVOUS SYSTEM EFFECTS INCLUDE DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN DEATH. CAN CAUSE GASTRO-INTESTINAL IRRITATION, VOMITING, AND DIARRHREA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONTIS WHICH CAN BE FATAL.

METHYL ISOBUTYL KETONE (1)

(67-64-1)

OVEREXPOSURE: IN HUMANS, LEVELS OF 1000PPM PRODUCED CNS DEPRESSION AND NARCOSIS. WORKERS EXPOSED TO METHYL ISOBUTYL KEYTONE AT CONCENTRATIONS UP TO 500 PPM. 30 MINUTES PER DAY OVER 5 YEARS COMPLAINED OF HEADACHES, WEAKNESS, EYE AND UPPER RESPIRATORY TRACT IRRITATION, AND GASTROINTESTINAL SYMPTOMS, AT 200-400 PPM, EYE NOSE AND THROAT IRRITATION OCCURES, WHILE AT 100 PPM, THE ONLY PROBLEM OBSERVED IS AN OBJECTIONAL ODOR.

ACETONE (1)

67-64-1

OVEREXPCSURE - HIGH VAPOR CONCENTRATIONS MAY IRRITATE THE EYES AND MUCOUS MEMBRANES OF THE NOSE AND THROAT. SEVERE OVEREXPOSURE (IE. > 12,000 PPM) CAN CAUSE CNS DEPRESSION INCLUDING NAUSEA, VOMITING, HEADACHES, INCOORDINATION AND DIZZINESS. REPEATED OR PROLONGED CONTACT OF THE LIQUID WITH THE SKIN CAN CAUSE REDNESS AND DRY, SCALY AND FISSURED DERMITITIS. EYE CONTACT RESULTING FROM SPASHES OR HIGH VAPOR CONCENTRATION EXPOSURE IS IRRITATING. WHEN ACETONE WAS ABSORBED SYSTEMICALLY, IT CAUSED CATARACTS IN LABORATORY ANIMALS. WHEN INGESTED THE EFFECTS ARE INTOXICATING, THESE ACUTE SYMPTOMS MIGHT INCLUDE EARLY EMOTIONAL INSTABILITY, IMPAIRED MOTOR COORDINATION, NAUSEA, VOMITING, DROWSINESS, STUPER AND FINALLY COMA. 10-TO 20 ML HAS BEEN TAKEN ORALLY WITHOUT ILL EFFECTS.

MINERAL SPIRITS

64742-47-8

OVEREXPOSURE - NARCOSIS IN HIGH CONCENTRATION. MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

VARNISH MAKERS & PAINTER

NAPHTHA 8032-32-4

OVEREXPOSURE - MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT. CENTRAL NERVOUS SYSTEM DEPRESSION IN HIGH CONCENTRATIONS.

ETHYLENE GLYCOL MONOPROPYL (1)

ETHER 2807-30-9

OVEREXPOSURE - EXPOSURE OF EXPERIMENTAL ANIMALS VIA INHALATION, SKIN CONTACT, OR INGESTION PROCEDURES A TOXIC EFFECT ON THE RED BLOOD CELL. IN STUDIES OF THE RELATED CHEMICAL, 2-BUTOXYETHANOL, RATS WERE AT LEAST THREE (3) TIMES MORE SENSITIVE THAN HUMANS TO THIS EFFECT.

SECTION VI: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: DO NOT STORE ABOVE 120 DEG. F. KEEP FROM SPARKS, PILOT LIGHTS OR OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: MAY PRODUCE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON DIOXIDE AND/OR CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: NA

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION, AVOID BREATHING VAPORS, VENTILATE AREA. WIPE UP WITH INERT MATERIALS AND PLACE IN APPROPRIATE CONTAINER.

WASTE DISPOSAL METHODS: DO NOT INCINERATE AEROSOL, DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PLACE AEROSOL CANS IN HOME COMPACTOR. DO NOT PUNCTURE.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: AVOID CONTINUOUS BREATHING OF VAPORS AND SPRAY MIST, A SELF CONTAINED BREATHING APPARATUS REQUIRED FOR CONCENTRATIONS ABOVE TLV LIMITS.

VENTILATION: USE ONLY WITH ADEQUATE VENTILATION, SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS.

PROTECTIVE GLOVES: OPTIONAL

EYE PROTECTION: ONLY UNDER CONDITIONS WHERE SPRAY MISTS MIGHT GET INTO EYES.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT STORE ABOVE 120 DEG F. EXPOSURE TO HEAT OR PROLONGED EXPOSURE TO SUN MAY CAUSE BURSTING.

OTHER PRECAUTIONS: USE ONLY AS DIRECTED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL.

PERIODICALLY USER SHOULD REQUEST NEW MSDS TO ASSURE IT MATCHES CURRENT FORMULATION. THIS MSDS IS BASED ON FORMULA: 00-00A9-7398

ABBREVIATIONS:

N/D	NO DATA
N/A	NOT APPLICABLE
ACGIH (TLV)	AMERICAN CONFERENCE OF GOVERNMENT INDUSTRIAL HYGIENISTS (TRESHHOLD LIMIT VALUE)
PEL	PERMISSABLE EXPOSURE LIMITS
PPM	PARTS PER MILLION
MGM3	MILLIGRAMS PER CUBIC METER
CAS #	CHEMICAL ABSTRACT SERVICE NUMBER
PSIA	POUNDS PER SQUARE INCH- ABSOLUTE
F.	DEGREES FAHRENHEIT
TOC	TAG OPEN CUP
(A-1)	CONFIRMED HUMAN CARCINOGEN BY NTP, IARC, AND/OR OSHA
(A-2)	SUSPECTED HUMAN CARCINOGEN BY NTP, IARC, AND/OR OSHA

***SECTION X: DISCLAIMER ***

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