

M A T E R I A L   S A F E T Y   D A T A   S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : GREEN NON CHROMATE AEROSOL  
 IDENTIFICATION NUMBER: PTI-GANCHROM      DATE PRINTED: 08/22/05  
 PRODUCT USE/CLASS : GREEN NON CHROMATE AEROSOL

SUPPLIER: PRODUCTS/TECHNIQUES, INC. 3271 S. RIVERSIDE AVE. RIALTO, CA. 92376 P.O. BOX 760 BLOOMINGTON, CA. 92316 1-909-877-3951 8 am-4:30 pm	MANUFACTURER: PRODUCTS/TECHNIQUES, INC. 3271 S. RIVERSIDE AVE. RIALTO, CA. 92376 P.O. BOX 760 BLOOMINGTON, CA. 92316 1-909-877-3951 8 am-4:30 pm
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AFTER HOURS EMERGENCY PHONE: 1-800-424-9300    CHEMTREC	AFTER HOURS EMERGENCY PHONE: 1-800-424-9300    CHEMTREC
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PREPARER: B. BODEN, PHONE: 909 877-3951, PREPARE DATE: 08/22/05

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % EQUAL TO
01	ACETONE	67-64-1	52.0 %
02	PROPANE	74-98-6	20.1 %
03	METHYL ETHYL KETONE M.E.K.	78-93-3	8.0 %
04	ALKYD RESIN	PROPRIETARY	4.2 %
05	LIGHT YELLOW PIGMENT		4.1 %
06	ZINC PHOSPHATE	7779-90-0	3.7 %
07	N-BUTYL ACETATE	123-86-4	1.8 %
08	PETROLEUM DISTILLATES	64742-89-8	1.4 %
09	ALIPHATIC HYDROCARBONS (STODDARD TYPE)	8052-41-3	1.0 %
10	PROP GLY. METHYL ETHER ACETATE	108-65-6	0.9 %
11	PHENOLIC RESIN	54579-44-1	0.8 %
12	AMORPHOUS PRECIPITATED SILICA	112926-00-8	0.7 %
13	ISOBUTANOL SOLVENT	78-83-1	0.6 %
14	XYLENE	1330-20-7	0.2 %
15	ZINC OXIDE	1314-13-2	0.1 %
16	BLACK TINT BASE	MIXTURE	0.1 %
17	GRINDING ADDITIVE	PROPRIETARY	0.1 %
18	METHYL ETHYL KETOXIME	96-29-7	0.1 %
19	PAINT ADDITIVE DRIER	22464-99-9	0.1 %
20	ORANGE TINT BASE	MIXTURE	0.1 %
21	ADDITIVE-DRIER	PROPRIETARY	0.1 %
22	ETHYL ALCOHOL	64-17-5	0.1 %
23	ISOPROPANOL I.P.A.	67-63-0	0.01 %
24	METHYL ALCOHOL	67-56-1	0.01 %

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## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	EXPOSURE LIMITS				COMPANY	
	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	TLV-TWA	SKIN
01	750 PPM	1000 PPM	750 PPM	N/AV	186	58
02	1000 ppm	N/AV	1000 ppm	N/AV	N.E.	N.E.
03	200 PPM	300 PPM	200 PPM	N/AV	70	72
04	N/A	N/A	N/A	N/A	N.E.	N.E.
05	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
06	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
07	150 PPM	200 PPM	150 PPM	N/AV	14	115
08	300 PPM	400 PPM	300 PPM	N/AV	10.2	120
09	100 PPM	N/AV	100 PPM	N/AV	2	100
10	N.E.	N.E.	N.E.	N.E.	3.7	132
11	N/A	N/A	N/A	N/A	N.E.	N.E.
12	10 mg/m3	N/AV	10 mg/m3	N/AV	N.E.	N.E.
13	50 PPM	N/AV	50 PPM	N/AV	8.8	74
14	100 PPM	150 PPM	100 PPM	200 (10 MIN)	6.6	106
15	10 mg/m3	N/A	10 mg/m3	N/A	N.E.	N.E.
16	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
17	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
18	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
19	10 mg/m3	N/AV	10 mg/m3	N/AV	N.E.	N.E.
20	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
21	.05 mg/m3	N/AV	.1 mg/m3	N/AV	N.E.	N.E.
22	1000 PPM	N/AV	1000 PPM	N/AV	53	46
23	400 PPM	500 PPM	400 PPM	800 PPM	37	58
24	200 SKIN	250 SKIN	200 SKIN	800 15 (MIN)	96	32

(See Section 16 for abbreviation legend)

## SECTION 3 - HAZARDS IDENTIFICATION

\*\*\* EMERGENCY OVERVIEW \*\*\*: NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

NOTICE: THIS PRODUCT IS SOLD TO YOU AS THE SOLE USER. THIS PRODUCT IS SOLD AS AN "INDUSTRIAL PRODUCT ONLY". THIS PRODUCT IS NOT INTENDED NOR IS IT CLASSIFIED AS A CONSUMER PRODUCT. THIS PRODUCT IS NOT TO BE USED BY THE GENERAL PUBLIC.

NOTE: ALL PERCENT BY WEIGHTS AND VOC'S ARE APPROXIMATE AND MAY VARY SLIGHTLY FROM BATCH TO BATCH, AND DUE TO SOLVENT EVAPORATION, AFTER EACH USE. THE VOC'S ARE "AS PACKAGED MATERIAL".

IF THIS PRODUCT IS IN AN AEROSOL CAN, THE PERCENT OF VOC BY WEIGHT, AS DEFINED BY THE CALIF. AIR RESOURCES BOARD, IS LISTED BELOW. IF THE PRODUCT IS IN A BULK CONTAINER, THE VOC'S IN GRAMS PER LITER OR LBS PER GALLON ARE LISTED IN SECTION 16.

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SECTION 3 - HAZARDS IDENTIFICATION
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CATEGORY: AVIATION OR MARINE PRIMERS  
VOC: 34.4% BY WEIGHT  
PWMIR VALUE DOES NOT EXCEED 2.00

TARGET ORGAN EFFECTS:

Skin, respiratory, lungs, liver, and kidneys are most commonly related with solvent vapors. Others include blood abnormalities, brain damage, central nervous system damage, anemia, cardiac, and hearing and visual impairment.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Direct contact with the liquid or exposure to vapors or mist may cause stinging, tearing, redness, swelling and eye damage.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION  
INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES
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FIRST AID - EYE CONTACT: Immediately move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek immediate medical attention. For direct contact, immediately hold eyelids apart and flush affected eye(s) with clean water for at least 20 minutes. Seek immediate medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

FIRST AID - INGESTION: HAVE M.S.D.S. HAZARDOUS INGREDIENT SECTION (SECT. 2) READILY AVAILABLE FOR EMERGENCY PERSONNEL OR DOCTOR. Get medical

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SECTION 4 - FIRST AID MEASURES
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attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES
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FLASH POINT: -156 F - PROPANE  
(TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 0.9 %

UPPER EXPLOSIVE LIMIT: 36.0 %

AUTOIGNITION TEMPERATURE: N/E

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

CAUTION: CONTENTS UNDER PRESSURE

AVOID PROLONGED EXPOSURE TO SUNLIGHT OR HEAT FROM RADIATORS, STOVES, HOT WATER AND OTHER HEAT SOURCES THAT MAY CAUSE BURSTING. DO NOT PUNCTURE, INCINERATE, BURN OR STORE ABOVE 120 DEGREE. F.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE
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HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep container closed when not in use. Store in a cool dry area at a temperature between 50

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**SECTION 7 - HANDLING AND STORAGE**

and 95 degrees F. Do not store outside in direct sunlight.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**RESPIRATORY PROTECTION:**

All individual company safety policies should be reviewed. If a company determines that threshold limit values and air quality contaminant levels have not been exceeded, then that company should set its own policies regarding the use of respirators. Always follow all local, state, and federal laws and regulations regarding the use of respirators. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Wear a MSHA/NIOSH approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**SKIN PROTECTION:** Where contact is likely, wear chemical resistant gloves, such as neoprene or solvent resistant nitrile. To prevent repeated or prolonged skin contact, wear impervious clothing such as a chemical suit, rubber boots, and/or chemical safety goggles plus a face shield if such should be necessary. If the equipment to be worn is not available or the type of equipment for a specific job is not known, consult a reputable safety equipment supply company. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

**OTHER PROTECTIVE EQUIPMENT:** Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.

**HYGIENIC PRACTICES:** Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: -44 - 395 F	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT LIKE	ODOR THRESHOLD	: N/E
APPEARANCE	: GREEN LIQUID	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: NONE	SPECIFIC GRAVITY:	1.3337
FREEZE POINT	: N/E	pH @ 0.0 %	: N/E
VAPOR PRESSURE	: N/E	VISCOSITY	:
PHYSICAL STATE	: LIQUID		
COEFFICIENT OF WATER/OIL DISTRIBUTION: N/E			

(See Section 16 for abbreviation legend)

## SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid all possible sources of ignition.

INCOMPATIBILITY: (Materials to avoid):  
strong acids and bases, oxidizers, and selected amines.

HAZARDOUS DECOMPOSITION PRODUCTS: CO and CO2. Other unknown hazardous products are possible.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

## SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE

DOT TECHNICAL NAME: N/A

DOT HAZARD CLASS: 2.1 FLAMMABLE GAS

HAZARD SUBCLASS: N/A

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SECTION 14 - TRANSPORTATION INFORMATION

DOT UN/NA NUMBER: UN 1950 PACKING GROUP: N/A RESP. GUIDE PAGE: 126

SECTION 15 - REGULATORY INFORMATION

THE FOLLOWING COMPONENTS ARE NOT SUBJECT TO REPORTING IN SECTION 2:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT %
No non-hazardous components exist		

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT %
METHYL ETHYL KETONE M.E.K.	78-93-3	8.0 %
PETROLEUM DISTILLATES	64742-89-8	1.4 %
XYLENE	1330-20-7	0.2 %
ISOPROPANOL I.P.A.	67-63-0	0.01 %
METHYL ALCOHOL	67-56-1	0.01 %

TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

## SECTION 15 - REGULATORY INFORMATION

## PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME ----- CAS NUMBER  
No non-hazardous ingredients are present at greater than 3%.

CALIFORNIA PROPOSITION 65:  
INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

## SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 3      REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 08/22/05

REASON FOR REVISION: NEW FORMULA

VOLATILE ORGANIC COMPOUNDS (VOCs): 4.47 lbs/gal, 535 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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<END OF MSDS>