# Section I - General Information

	Supercedes:
	11/1/2001 12:00:00 AM
	Trade Name & Synonyms:
	DREAMCOAT-WHITE AEROSOL
	Formula is a mixture: $\lceil \sqrt{1} \rceil$
Product Code Number:	Emergency Phone Number:
5045	800-424-9300

## Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
TOLUENE	IRR/FLAM	50PPM 1	200PPM 2	N/E	108-88-3
TITANIUM DIOXIDE	IRRITANT	10MG/M3 1	15MG/M3 *2	N/E	13463-67-7
XYLENE	IRR/FLAM	100PPM 1	100PPM 2	150PPM 1	1330-20-7
CALCIUM CARBONATE	IRRITANT	10MG/M3 1	5MG/M3 **2	N/E	1317-65-3
PROPANE	FLAM/ASPHY	1000PPM\$ 1	1000PPM 2	N/E	74-98-6
N-BUTANE	FLAM/ASPHY	1000PPM\$ 1	N/E 2	N/E	106-97-8
VM&P NAPTHA	IRRITANT	100MG/M3#1	N/E 2	N/E	64742-89-8
MINERAL SPIRITS	IRRITANT	100MG/M3#1	500MG/M3#2	N/E	64742-47-8
* TOTAL DUST					
** RESPIRABLE FRACTION					
\$ ALLPHATIC HYDROCARBON GASES					

## Section III - Physical Data

Boiling Point (°F):-47°F Vapor Pressure (mm Hg):2068.6 Vapor Density (Air=1):>1 pH @ 100% :N/A % Volatile by Volume:78  $H_2^0$  Solubility: EMULSIFIABLE

Specific Gravity (H20=1): .77-.90 Color:WHITE-OFF WHITE Odor:SOLVENT Clarity: OPAQUE Evaporation Rate (BuAc=1):>1 Viscosity: SEMI-VISCOUS

## Section IV - Fire and Explosion Hazard

			<u> </u>
Fl	lash Point: -4°F		Method Used: SETA
Flammak	ole Limits: PRODUCT MIXTURE		UEL: 10.9%
	<b>LEL:</b> 1.5%		Aerosol Level (NFPA 30B): 2
Extinguishing Media	:		NFPA 704 Hazard Rating:
[√] Foam [√] Dry Chemical	[√] Alcohol Foam [√] Water Spray	[√] CO2 [ ] Other	4-Extreme Health: 2 3-High Flammability: 3 2-Moderate Instability: 1 1-Slight Special:

### Special Fire Fighting Procedures:

# STODDARD SOLVENT VALUES

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

### Unusual Fire and Explosion Hazards:

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT SOURCES OF IGNITION AND FLASHBACK. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

# Section V - Health and Hazard Data

## Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

### Effects of Overexposure:

### Acute: (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SMEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

## Chronic: (Long Term Exposure)

CHRONIC: (LONG TETE EXPOSURE) CHRONIC: (LONG TETE EXPOSURE) CHRONIC: (LONG TETE EXPOSURE) CHRONIC: INHALATION OF SOLVENTS LIKE XYLENE HAVE CAUSED HEARTBEAT IRREGULARITY, HEARTBEAT INCREASE, AND PERMANENT CENTRAL AND PERIPHERAL NERVOUS SYSTEM DAMAGE, RESULTING IN DECREASED LEARNING ABILITY, LOSS OF MEMORY, PERSONALITY CHANGES, AND DISTURBANCES IN GAIT. A CONDITION KNOWN AS "PAINTER'S SYNDROME" CAN OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO HYDROCARBON MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SWALL ASPIRATIONS. SHORTNESS OF BERATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION MHEART RATES AS WELL AS A BLUISH DISCOLORATION OF HE SKIN. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSTIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. PROLONGED OR REPEATED EXPOSURE MAY CAUSE CARDIAC SENSITIZATION, KIDNEY EFFECTS, AND AN ENLARGED LIVER. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSENA, AND DERMATITIS. TARGET ORGANS: CENTRAL AND PERIPHERAL NERVOUS SYSTEMS, KIDNEYS, LIVER, HEART, AND LUNGS. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

- Primary	Routes	of	Entry-

[√] Inhalation	[ ] Ingestion	[√] Absorption	

## Emergency First Aid Procedures:

### Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

# Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

### Skin Contact:

WIPE AWAY MATERIAL WITH A CLOTH. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS. CLEAN CLOTHING AND SHOES.

### Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

# Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY. IF SYMPTOMS OF CHOLINESTERASE INHIBITION ARE PRESENT, ATROPINE SULFATE IS ANTIDOTAL. 2-PAM IS ALSO ANTIDOTAL AND MAY BE ADMINISTERED IN CONJUNCTION WITH ATROPINE.

# Section VI - Toxicity Information

-Product Contains Chemicals	Listed as Carcinogen	or Potential Carcinogen By	:	]
[√] IARC [	] NTP	[ ] OSHA	[ ] ACGIH	[ ] Other
VOC CONTENT: 42.9% BY WEIGHT	; 544.9 G/L			
TOLUENE EYE-RET SDT: 870 UG MILD 3. SKN-RET SDT: 20 MG/24H MODER SKN-RET LD50: 12.2 G/KG 3. ORL-HMN LDL0: 50 MG/KG 3. ORL-RAT LD50: 636 MG/KG 3. IHL-RAT LC50: 49 GM/M3/4H 3.	ATE 3.			
				N, DEGENERATION OF THE HEART TISSUE, CARDIAC TO DAMAGE OF THE BRAIN, KIDNEY, AND LIVER. 4.
MANY CASE STUDIES INVOLVING	ABUSE DURING PREGNANC	Y INDICATE THAT TOLUENE CAN	CAUSE BIRTH DEFECTS, GROWTH RET	FARDATION, AND LEARNING DIFFICULTIES. 4.
TITANIUM DIOXIDE SKN-HMN SDT: 300 UG/3D-I MLD IHL-RAT TCLO: 250 MG/M3/6H/4 HLL-RAT LC50: >6.82 MG/L/4 H ORL-RAT LD50: >25 G/KG 4. SKN-RBT LD50: >10 G/KG 4.	W-I 3.			
				LIGHT PULMONARY FIBROSIS WAS SEEN AT 50 TO 250 C LUNG TUMORS WERE SEEN IN 17% OF THE RATS EXPOSED
THE NATIONAL CANCER INSTITUT YEARS. UNDER THE CONDITION O	E CONDUCTED A FEED STO F NCI, TITANIUM DIOXII	UDY IN RATS AND MICE WHICH DE DID NOT CAUSE CANCER BY	EITHER 25,000 OR 50,000 PPM TITA THE ORAL ROUTE. 4.	ANIUM DIOXIDE WAS GIVEN IN THEIR DIET FOR TWO
ACGIH A4: NOT CLASSIFIABLE A IARC GROUP 3: NOT CLASSIFIAB		ENICITY TO HUMANS		
XYLENE ORL-HMN LDLo: 50 MG/KG 3. ORL-RAT LD50: 4300 MG/KG 3. IHL-HMN TCLo: 200 PPM 3. SKN-RBT LD50: >1700 MG/KG 3. SKN-RBT SDT: 500 MG/24H MODG EYE-HMN SDT: 200 PPM 3. EYE-RBT SDT: 5 MG/24 SEVERE				
XYLENE CAUSES HEARING LOSS,	CARDIAC STIMULATION, A	AND ARRHYTHMIA (IRREGULAR H	EART BEAT) IN LABORATORY ANIMALS	3. 4.
CALCIUM CARBONATE IHL-RAT TCLO: 84 MG/M3/4H/40 MILD TO MODERATE EYE IRRITAN MILD TO MODERATE SKIN IRRITA ORL-RAT LD50: 6450 MG/KG 3.	т 3.			
PROPANE IHL-LC50: >40% BY VOLUME 4.				
N-BUTANE IHL-RAT LC50: 658 G/M3/4H 3. IHL-MUS LC50: 680 G/M3/2H 3.				
HUMAN VOLUNTEERS EXPOSED REP ABNORMALITIES. 4.	EATEDLY TO GASES OF S	IMILAR HYDROCARBON MIXTURES	RANGING FROM 250 TO 1000 PPM EX	KHIBITED NO CARDIAC OR PULMONARY FUNCTION
VM&P NAPTHA ORL-RAT LD50: >5840 MG/KG 4. SKN-RAT LD50: >2920 MG/KG 4. SKN-RBT: 4HR; SLIGHT IRRITAT EYE-RBT: NEGLIGIBLE IRRITATI IHL-RAT LC50: 3400 PPM 4.	ION 4.			
	TIONABLE SIGNIFICANCE			CONSISTENT WITH MALE RATS HYALINE DROPLET NCENTRATIONS OF A SIMILAR SOLVENT HAS CAUSED A
SINGLE AND SHORT-TERM REPEAT GRANULOMA FORMATION, AND LIP LEVELS PRODUCED NO SIGNIFICA	ED EXPOSURES TO HIGH ( OID PNEUMONIA. IN ACU NT TOXICOLOGICAL EFFE ILLATES ARE SEVERELY H	CONCENTRATIONS WELL ABOVE A TE AND SUB-ACUTE STUDIES IN CTS. IN LONG TERM STUDIES ( HYDROTREATED, SEVERELY SOLV	PPLICABLE WORKPLACE EXPOSURE LEV VOLVING EXPOSURES TO LOWER CONCE UP TO TWO YEARS) NO CARCINOGENIC	AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM JELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID INTRATIONS AT OR NEAR CURRENT WORK PLACE EXPOSURE 2 EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS
MINERAL SPIRITS ORL-RAT LD50: >10 G/KG 4. IHL-RAT LC50: >290 PPM 4. SKN-RBT LD50: >3 G/KG 4. SKN SENSITIZER: NO 4. SKN IRRITATION: SLIGHT 4. EYE IRRITATION: SLIGHT 4.				

# Section VII - Reactivity Data

Conditions to Avoid:

NONE KNOWN.

Hazardous Polymerization-

Stability-

[√] Stable [ ] Unstable

Conditions to Avoid: AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; STRONG ACIDS AND BASES.

Hazardous Decomposition Products:

OXIDES OF CARBON AND CALCIUM.

# Section VIII - Spill Or Leak Procedures

## Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, WEAR APPROPRIATE PROTECTIVE CLOTHING, ELIMINATE IGNITION SOURCES OF ELECTRICAL, STATIC, OR FRICTIONAL SPARKS, VENTILATE THE AREA, ABSORD WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. USE CARE AS SPILLS MAY BE SLIPPERY.

### Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. TYPICAL DISPOSAL IS TO WRAP THE EMPTY AEROSOL CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN THE TRASH. AEROSOL RECYCLING PROGRAMS ARE AVAILABLE IN MANY AREAS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER.

Neutralizing Agent:

N/A

## Section IX - Special Protection Information

### Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS AND VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

#### Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (288.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI 288.2-1992.

## Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

## Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EOUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

## Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

# Section X - Storage and Handling Information

-Storage Temperature	Storage Conditions —			
Max: 120°F Min: 35°F	[√] Indoors	[ ] Outdoors	[ ] Heated	[ ] Refrigerated

Precautions to be Taken in Handling and Storing:

CONTENTS UNDER PRESSURE, USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

### Other Precautions:

KEEP OUT OF REACH OF CHILDREN, READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. DO NOT PUNCTURE OR INCINERATE THIS CONTAINER. EXPOSURE TO TEMPERATURES ABOVE 120°F/49°C MAY CAUSE BURSTING.

	<u>Section XI - Regulato</u>	ry Information
Chemical Name	CAS Number	Upper % Limit
TOLUENE	108-88-3	15
XYLENE	1330-20-7	5

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

# Section XII - References

THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.

2. OSHA PEL. 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2006. 4. VENDOR'S MSDS. ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE FITHER LISTED ON THE TSCA INVENTORY OF OTHERWISE EXEMPTED FROM LISTING. IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, COCR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIBBUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASHYX:ASPHXIANT, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, PNOR:PARTICULATES NOT OTHERWISE REQUILATED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMM:HUMAN

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[ ] May occur

[√] Will not occur

# MATERIAL SAFETY DATA SHEET: DREAMCOAT-WHITE AEROSOL

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