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Prepared to OSHA, ACC, ANSI and WHMIS Standards MSDS AMOUR MILKY BASE COAT Revision Date: 2-16-2013

	1. PRODUCT IDENTIFICAT	<b>TION</b>
1.1	1 Product Name:	
	AMOUR MILKY BASE COAT	
1.2	2 Chemical Name:	
	SOLVENT MIXTURE	
13	Synonyms:	
	NA NA	
1.4	4 Trade Name:	
	AMOUR MILKY BASE COAT	
1.5	5 Product Use:	
	MANICURE PROFESSIONAL USE ONLY	
1.6	6 Manufacturer/Distributor's Name:	
	TRANS D, INC.	
1.7	7 Manufacturer/Distributor's Address:	
	4286 JONESBORO ROAD, FOREST PARK, GA 30297	
1.8	8 Emergency Phone:	
	CHEMTREC 1-703-527-3887	CHEMTREC CUSTOMER NUMBER # 22590
1.9	9 Business Phone:	
	1-404-363-2933	

	2. COMPOS	ITION &	INGRED	IENT IN	FORMAT	ION		
				EXPOSURE LIMITS IN AIR				
			AC	GIH		OSHA		OTHER
CHEMICAL NAME(S)	CAS NO.	%	TLV ppm	STEL ppm	PEL ppm	STEL ppm	IDLH ppm	
BUTYL ACETATE	123-86-4 8.4	< 30	150	200	150	200	1700	150TWA
ETHYL ACETATE	141-78-6 86	< 12	200	400	NA	NA	2000	400TWA
NITROCELLULOSE	9004-70-0	< 16	(10)	NE	(10)	NE	NE	
ISOPROPYL ALCOHOL	67-63-0 32	< 7.5	400	500	400	500	2000	400TWA
TRIMETHYL PENTANYL DIISOBUTYRATE	6846-50-0	< 5	NE	NE	NE	NE	NE	
SD ALCOHOL 40B	6-4-17-5	< 30	1900	NA	1900	NA	3300	1900TWA
TITANIUM DIOXIDE (C1 77891)	1317-70-0	<1	NA	NA	NA	NA	NA	
			l	l			1	

\*Not a hazard with this product.

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-1998 format.



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	3. HAZARD IDENTIFICATION						
3.1	Hazard Identification: This product is classificriteria of NOHSC:1088(2004) and ADG C				OUS GOODS	S according to the cla	ssification
3.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES						
3.3	Effects of Exposure:  INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.  SKIN & EYES: Mildly to moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin in some sensitive individuals, especially after prolonged contact.  INHALATION: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory system Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 2 (Composition & Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).				and		
3.4	Symptoms of Overexposure:  Symptoms of skin overexposure in some Overexposure in eyes may cause redness			le redness, itching,	and irritatio	n of affected areas.	
3.5	Acute Health Effects: Mild to moderate irritation to eyes and sk dizziness, headaches and nausea.	in near affected areas	. Addition	ally, high concentrat	ions of vapo	ors can cause drowsir	iess,
3.6	Chronic Health Effects:						
	None known.						
3.7	Target Organs:  Eyes, skin & respiratory system.						
		4. FIRST	AID ME	ASURES			
4.1	First Aid:						
	INGESTION: If ingested, do not induce vopatient is vomiting, continue to offer water Poison Control Center at 1-303-623-5716 time at which the material was ingested at EYES: Splashes are not likely; however, in 15 minutes. Open and close eyelid(s) to offected area with soap and water. Do not swelling persists, contact a physician implication.	er or milk. Never give or the nearest Poison and the amount of the f product gets in the densure thorough irrig n the skin, rinse thorott wear contaminated mediately.	water or m Control Ce substance eyes, flush ation. If irri oughly with clothing un	ilk to an unconsciounter or local emerge that was swallowed with copious amour tation occurs, conta lukewarm water, fo til after it has been	us person. (ency numbe uts of lukewants a physici lowed by a properly cle	Contact Rocky Mounta r. Provide an estimate arm water for at least an. thorough washing of aned. If irritation, red	ain e of the the ness or
4.2	Medical Conditions Aggravated by Exposure:			Н	EALTH		1
	None known.				_AMMA	BILITY	3
					EACTIV		0
						IVE EQUIPMEN	
I		5. FIREFIGH	ITING N	MEASURES		1	
5.1	Flashpoint & Method:	J. I IIXLI'IGI	111110	ILAGUILG			
J. I	ι ιασπροιπι α ινιστιτου.						

#### -4°C (24°F) TCC 5.2 Autoignition Temperature: ND 5.3 Flammability Limits: Lower Explosive Limit (LEL): Upper Explosive Limit (UEL): 5.4 Fire & Explosion Hazards: RED = FLAMMABILITY WARNING: Flammable! Keep away from heat, lit cigarettes, sparks & open flame. BLUE = HEALTH Keep container closed. Vapors are heavier than air. YELLOW = REACTIVITY WHITE = SPECIAL MEASURES 5.5 Extinguishing Methods: 0 CO<sub>2</sub>, Halon, Dry Chemical, Foam, Water 0 = NO HAZARD 1 = MINIMAL HAZARD Firefighting Procedures: 2= SLIGHT HAZARD 3 = MODERATE HAZARD When involved in a fire, this product will ignite readily and decompose to produce 4 = SEVERE HAZARD carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.



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## 6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid tocontainers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

	7. HANDLING & STORAGE INFORMATION
7.1	Work & Hygiene Practices:  Avoid prolonged or repeated contact with skin. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). Do not eat, drink or smoke while handling product.
7.2	Storage & Handling:
	Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10).
7.3	Special Precautions:
	Open containers slowly on a stable surface. Keep container tigtly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

	8. EXPOSURE CONTROLS & PERSONAL PROTECTION
8.1	Ventilation & Engineering Controls:  When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
8.2	Respiratory Protection:  No special respiratory protection is required under normal conditions of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
8.3	Eye Protection:  Avoid eye contact. None required under normal conditions of use. However, may cause irritation in some sensitive individuals. When handling large quantities (e.g., = 1 gallon), safety glasses with side shields should be used.
8.4	Hand Protection:  None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.  When handling large quantities (e.g., ≥1 gallon), wear rubber or plastic impervious gloves.
8.5	Body Protection:  No apron required when handling small quantities. When handling large quantities (e.g., = 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

	9. PHYSICAL & CHEMICAL PROPERTIES		
9.1	Density:	0.83 (H <sub>2</sub> O = 1)	
9.2	Boiling Point:	171 - 228°F (77.2 - 108.9 °C) calculated	
9.3	Melting Point:	NA	
9.4	Evaporation Rate:	>1 (n-Butyl Acetate = 1)	
9.5	Vapor Pressure:	Heavier than air.	
9.6	Molecular Weight:	NA	
9.7	Appearance & Color:	Milky transparent viscous liquid with an ester-like odor.	
9.8	Odor Threshold:	ND	
9.9	Solubility:	Moderately soluble in water.	
9.10	pH	NA	
9.11	Viscosity:	NA	
9.12	Other Information:	VOC: 1.85 lb/gl	



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	10. STABILITY & REACTIVITY			
10.1	Stability:	Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).		
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO2).		
10.3	Hazardous Polymerization:	May occur, if exposed to extremely high temperatures.		
10.4	Conditions to Avoid:	This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide).		
10.5	Incompatible Substances:	Exposure to or contact with extreme temperatures, strong light sources or incompatible materials.		

		11. TOXICOLOGICAL INFORMATION
11.1	Toxicity Data:	This product has not been tested on animals to ob tain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity:	See Section 3.3
11.3	Chronic Toxicity:	See Section 3.6
11.4	Suspected Carcinogen:	Yes. This product contains Isopropyl Alcohol, which is classified as a Group 3 carcinogen (not classifiable as a human carcinogen) by the IARC.
11.5	Reproductive Toxicity:	None
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to poduce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.6	Irritancy of Product:	See Section 3.3
11.7	Biological Exposure Indices:	NE NE
11.8	Physician Recommendations:	Treat symptomatically.

		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:  Butyl Acetate: Koc = 1.82. Water solubility: 120 parts H2O at 25°C (77°F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours.  Ethyl Acetate: Koc = 0.73. Water solubility: 64,000 mg/l. Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours. Isopropyl Alcohol: Log Kow = 0.05-0.14.  Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.



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	13. DISPOSAL CONSIDERATIONS	
13.1	Waste Disposal: Dispose of in accordance with all Federal, state, and local regulations.	
13.2	Special Considerations: U.S. EPA WASTE NUMBER: D001 (characteristic - ignitable)	

	14. TRANSPORTATION	INFORMATION	
	basic description (proper shipping name, hazard class & division, ID Number, pational descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and		
14.1	49 CFR (GND): <b>CONSUMER COMMODITY, ORM-D (&lt; 1.0 L).</b> 1263, PAINT, 3, II (> 1.0 L).		
14.2	IATA (AIR): CONSUMER COMMODITY, 9, ID8000 (< 0.5 L). 1263, PAINT, 3, II (> 0.5 L).	CONSUMER COMMODITY  ANNUALIS  OR LES	
14.3	IMDG (OCN): PAINT, 3, UN1263, II, LTD QTY	ORM-D	TOURS .
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTIT É LIMITÉE" or "LTD QTY"	PAIN UN12	

	15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:
	SARA 304 (40 CFR Table 302.4) - Butyl Acetate, Ethyl Acetate
15.2	SARA Threshold Planning Quantity:
	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:
	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity (RQ):
	Butyl Acetate = 5000 lbs (2270 kgs); Toluene = 1000 lbs (454 kgs); Dibutyl Phthalate = 10 lbs (4.54 kgs)
15.5	Other Federal Requirements:
	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).
15.6	Other Canadian Regulations:
	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid.
15.7	State Regulatory Information:
	Butyl Acetate, Ethyl Acetate, and Isopropyl Alcohol are covered under specific state criteria.

16.1	Other Information: WARNING: Flammable! Keep away from heat.
16.2	Terms & Definitions:  See page 6 of this MSDS.
16.3	Disclaimer:  This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Trans D, Inc. knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein related only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16. OTHER INFORMATION



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## **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number

### **EXPOSURE LIMITS IN AIR:**

ACGIH	ACGIH American Conference on Governmental Industrial Hygienist				
TLV Threshold Limit Value					
OSHA U.S. Occupational Safety and Health Administration					
PEL	Permissible Exposure Limit				
IDLH Immediately Dangerous to Life and Health					

### FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person						
	whose heart has stopped receives manual chest						
	compressions and breathing to circulate blood and provide						
	oxygen to the body.						

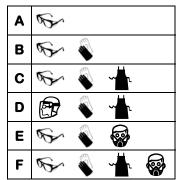
## HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

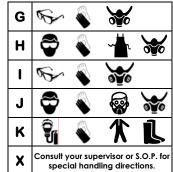
### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

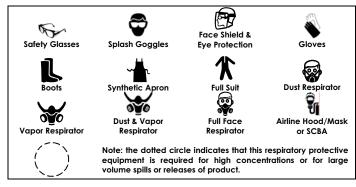
0	Minimal Hazard		
1 Slight Hazard			
2 Moderate Hazard			
3	Severe Hazard		
4	Extreme Hazard		



### PERSONAL PROTECTION RATINGS:







### OTHER STANDARD ABBREVIATIONS:

NA	Not Available			
NR	No Results			
NE Not Established				
ND Not Determined				
ML	Maximum Limit			
SCBA	Self-Contained Breathing Apparatus			

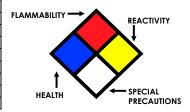
### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

### FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

### **HAZARD RATINGS:**

0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		
ACD	Acidic		
ALK	Alkaline		
COR	Corrosive		
<del>-W-</del>	Use No Water		
OX	Oxidizer		



### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s			
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD <sub>Io</sub>	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or TC, TC <sub>o</sub> , LC <sub>Io</sub> , & LC <sub>o</sub>	Lowest dose (or concentration) to cause lethal or toxic effects			
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TLm	Median threshold limit			
log Kow or log Koc	Coefficient of Oil/Water Distribution			

### REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	TC Transport Canada				
EPA U.S. Environmental Protection Agency					
DSL Canadian Domestic Substance List					
NDSL Canadian Non-Domestic Substance List					
PSL Canadian Priority Substances List					
TSCA U.S. Toxic Substance Control Act					
EU	European Union (European Union Directive 67/548/EEC)				
CPR	Canadian Controlled Product Regulations				

### EC INFORMATION:

1		*	*		<b>*</b>	X	×
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful