



MATERIAL SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, WHMIS & 2001/58 EC Standards

MSDS Revision: 3.0

MSDS Revision Date: 04/01/2004

1. PRODUCT IDENTIFICATION

1.1	Product Name: PRODUCT REMOVER
1.2	Chemical Name: ACETONE SOLUTION
1.3	Synonyms: NA
1.4	Trade Names: NA
1.5	Product Use: FOR PROFESSIONAL USE ONLY
1.6	Manufacturer's Name: CREATIVE NAIL DESIGN, INC.
1.7	Manufacturer's Address: 1125 JOSHUA WAY, VISTA, CA 92081 USA
1.8	Emergency Phone: ROCKY MOUNTAIN POISON CONTROL CENTER: 303-623-5716
1.9	Business Phone: 1-800-833-NAIL (833-6245), 760-599-2900

2. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)					
					ACGIH		OSHA		OTHER	
					TLV ppm	STEL ppm	PEL ppm	STEL ppm		IDLH ppm
ACETONE	67-64-1	AL3150000	200-662-2	> 90.0	500	750	1000	1000	NE	
ISOSTEARYL ISONONANOATE	90967-66-1	NA	NA	< 5.0	NE	NE	NE	NE	NE	
DIPENTENE	5989-27-5	GW6360000	227-813-5	< 2.0	NE	NE	NE	NE	NE	
OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION				BAL	THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS					

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 Z400.1-2003 format.



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3. HAZARD IDENTIFICATION

3.1	Hazard Identification: NA						
3.2	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
3.3	Effects of Exposure: EYES: Mild to moderate irritant. SKIN: Irritant and potential skin sensitizer. Excessive use, prolonged or repeated contact may cause dermatitis (rash). INGESTION: Gastrointestinal irritation and central nervous system depressant. INHALATION: Central nervous system depressant. Irritating to the upper respiratory tract.						
3.4	Symptoms of Overexposure: EYES: Mild irritation, redness, and watering. SKIN: Dermatitis (rash), characterized by red or puffy dry skin and itching. INGESTION: Nausea, vomiting, and diarrhea. INHALATION: Mouth, nose, and throat irritation, dizziness, nausea, light-headedness, drunkenness, and loss of coordination.						
3.5	Acute Health Effects: EYES: Mild to moderate irritant. SKIN: Irritant and potential skin sensitizer. Prolonged or repeated contact may cause dermatitis (rash). INGESTION: Gastrointestinal irritation and central nervous system depressant. INHALATION: Central nervous system depressant. Irritating to the upper respiratory tract.						
3.6	Chronic Health Effects: EYES: Mild to moderate irritant. SKIN: Irritant and potential skin sensitizer. Prolonged or repeated contact may cause dermatitis (rash). INGESTION: Gastrointestinal irritation and central nervous system depressant. INHALATION: Central nervous system depressant. Irritating to the upper respiratory tract.						
3.7	Target Organs: Eyes and skin.						

4. FIRST AID MEASURES

4.1	First Aid: EYES: Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention. SKIN: Remove contaminated clothing and wash affected areas with soap and water. Wash all contaminated clothing before reuse. If irritation persists, seek prompt medical attention. INGESTION: DO NOT INDUCE VOMITING. Contact Rocky Mountain Poison Control at 303-623-5716 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. INHALATION: Remove victim to fresh air at once. If breathing stops, administer artificial respiration. If breathing is difficult, administer supplemental oxygen. Seek immediate medical attention.							
4.2	Medical Conditions Aggravated by Exposure: Pre-existing respiratory and skin disorders.					HEALTH		2
						FLAMMABILITY		3
						REACTIVITY		0
						PROTECTIVE EQUIPMENT		B
				EYES	SKIN			

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5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: 0°F (-18°C) (no method given) (acetone only)
5.2	Autoignition Temperature: 869°F (465°C) (Acetone only)
5.3	Flammability Limits: (Acetone only) Lower Explosive Limit (LEL): 2.6% Upper Explosive Limit (UEL): 12.8%
5.4	Fire & Explosion Hazards: Vapors are heavier than air. Toxic gases can form as a result of thermal decomposition.
5.5	Extinguishing Methods: CO₂, Foam, Halon, Dry Chemical, and water spray.
5.6	Firefighting Procedures: Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters should wear full face, self-contained breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious protective clothing.



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 to containers 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.
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7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices: Wash hands thoroughly after using this product and before eating, drinking, or smoking. When handling large quantities (e.g., ≥ 1 gallon), wear nitrile or impervious plastic gloves.
7.2	Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may retain residual amounts of product. Therefore, empty containers should be handled with care.
7.3	Special Precautions: NA

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: Mechanical ventilation (e.g., local exhaust fans) is required for use with this product.
8.2	Respiratory Protection: None required, when used with adequate ventilation (e.g., local exhaust ventilation, fans).
8.3	Eye Protection: Safety glasses with side shields should be used with this product.
8.4	Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
8.5	Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), an apron should be worn and 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.



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9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.7972 for Acetone (Air=1)
9.2	Boiling Point:	133.2°F (56.2°C) @ 20mmHg (Acetone)
9.3	Melting Point:	-138.3°F (-94.6°C) (Acetone)
9.4	Evaporation Rate:	< 1 (n-BuAc=1)
9.5	Vapor Pressure:	NE
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Clear, light yellow liquid with a fragrant citrus odor.
9.8	Odor Threshold:	ND
9.9	Solubility:	Moderate
9.10	pH	NA
9.11	Viscosity:	NA
9.12	Other Information:	> 2 (Air=1) vapor density

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions of use (see section 7).
10.2	Hazardous Decomposition Products:	Irritating vapors and toxic gases (e.g., carbon monoxide and carbon dioxide).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat (>90°F) or other ignition sources, and proximity to incompatible substances and heavily trafficked areas.
10.5	Incompatible Substances:	Strong oxidizing agents, nitrates, strong acids and bases.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	This product has not been tested on animals to obtain 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 3.5
11.3	Chronic Toxicity:	See section 3.6
11.4	Suspected Carcinogen:	NE
11.5	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.6	Irritancy of Product:	See Section 3.3
11.7	Biological Exposure Indices:	NE
11.8	Physician Recommendations:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	Releases of large volumes of this product are expected to be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate U.S. Federal, state, and local regulations, those of Canada and its provinces, or the applicable standards of E.C. Member States or Australia. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
13.2	Special Considerations:	U.S. EPA WASTE NUMBER: D001 (characteristic - ignitable)


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14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D (≤ 1.0 L) FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, UN1993, II (> 1.0 L)	
14.2	IATA (AIR): CONSUMER COMMODITY, ORM-D (≤ 0.5 L) FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, UN1993, II (> 0.5 L)	
14.3	IMDG (OCN): FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, UN1993, II, LTD QTY (≤ 1.0 L) FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, UN1993, II (> 1.0 L)	
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L) FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, UN1993, II (> 1.0 L)	
14.5	ADR/RID (EU): 1993 FLAMMABLE LIQUID, N.O.S. (acetone, dipentene), 3, 3°(b), ADR, LTD QTY (≤ 1.0 L)	

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: NA	
15.2	SARA Threshold Planning Quantity: NA	
15.3	TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.	
15.4	CERCLA Reportable Quantity (RQ): Acetone: 5000 lbs.	
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: Acetone is covered under specific state criteria. No components of this mixture are listed in the California Proposition 65 Lists.	
15.8	67/548/EEC (European Union) Requirements: The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC: Acetone: Highly Flammable (F+). R: 11-36-66-67 – Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. S: 9-16-23-33 - Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Do not breathe gas, fumes, vapor or spray. Take precautionary measures against static discharges.	



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16. OTHER INFORMATION

16.1 Other Information:

WARNING: Precisely follow directions and MSDS (available through your supplier) for use. **EXTREMELY FLAMMABLE!** Keep away from heat or flame. Avoid eye contact. If contact occurs, flush eye thoroughly with running water. Do not ingest. If swallowed, do not induce vomiting; seek medical attention. Use only in a well ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. If irritation persists, seek medical attention.

FOR PROFESSIONAL USE ONLY.

16.2 Terms & Definitions:

See page 7 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 ShipMate's & Creative Nail Design's 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 relates 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.

16.4 Prepared for:

Creative Nail Design, Inc.
1125 Joshua Way
Vista, CA 92081
800-833-NAIL (6245) phone
760-599-4005 fax
<http://www.creativenaildesign.com/>



16.5 Prepared by:

ShipMate, Inc.
18436 Hawthorne Blvd., Suite 201
Torrance, CA 90504
310-370-3600 phone
310-370-5700 fax
<http://www.shipmate.com/>



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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
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EXPOSURE LIMITS IN AIR:

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

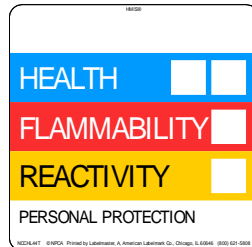
FIRST AID MEASURES:

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.
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
























HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

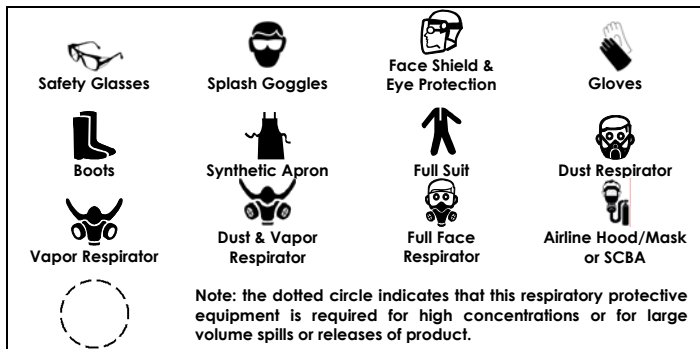
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

A		G	  
B	 	H	   
C	  	I	  
D	  	J	   
E	  	K	   
F	   	X	Consult your supervisor or S.O.P. for special handling directions.



OTHER STANDARD ABBREVIATIONS:

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

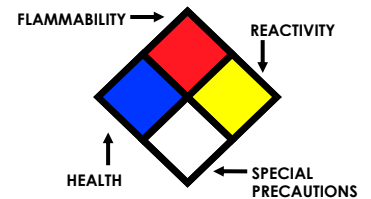
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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
-W	Use No Water
OX	Oxidizer











TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₀ or TC, TC₀, LC₁₀, & LC₀	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
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
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)

EC INFORMATION:

							
C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful