



1. COMPANY AND PRODUCT IDENTIFICATION


iLoveToCreate
A Duncan Enterprises Company
 5673 East Shields Avenue
 Fresno, CA 93727
 559-291-4444
 559-291-9444 (Fax)
www.ilovetocreate.com

EMERGENCY TELEPHONE NUMBERS
Health Emergencies:
 559-291-4444 7:00 am – 3:30 pm Pacific Std. Time
Spill and Off-Hour Health Emergencies:
 800-424-9300 U.S. and Canada
 703-527-3887 Outside U.S. and Canada (Collect)

Product Name: Duncan OG 802 White Gold
Product Use/Description: Over glaze
Restrictions on use: None known.

2. HAZARDS IDENTIFICATION

Classification:	Flam. Liq. 2 H225 Carc. 2 H351 Aquatic Chronic 2 H411 Skin Irrit. H315 Eye Irrit. 2A H319 Skin Sens. 1 H317
Hazard Statement:	H225 – Highly flammable liquid and vapor. H351 – Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H317 – May cause an allergic reaction.
Other Hazards:	
Signal Word:	Danger
Precautionary Statement:	P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P241 – Use explosion-proof electrical/ventilating/lighting/equipment. P261 – Avoid breathing dust/fumes/gas/mist/vapors/spray P280 – Wear protective gloves/eye protection/face protection. P240 – Ground/bond container and receiving equipment. P233 – Keep container tightly closed. P242 – Use only non-sparking tools. P273 – Avoid release to the environment. P243 – Take precautionary measure against static discharge. P264 – Wash thoroughly after handling. P272 – Contaminated work clothing must not be allowed out of the workplace. P201 – Obtain special instructions before use. P202 – Do not handle until all safety precautions have been read and understood. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	<p>P321 – Specific treatment (see on this label). P363 – Wash contaminated clothing before reuse. P308+P313 – If exposed or concerned: Get medical advice/attention. P333_P313 – If skin irritation or rash occurs: get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P370+P378 – In case of fire: Use for extinction: CO₂, powder or water spray. P391 – Collect spillage. P362+P364 –Take off contaminated clothing and wash it before reuse. P405 – Store it locked up. P403+P235 –Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
Pictogram(s) by GHS:	 <p>GHS02 GHS08 GHS09 GHS07</p>

3. COMPOSITION / INFORMATION ON INGREDIENTS

Detailed formulation is submitted by the client and it is proprietary information.

Products are made by physical manipulation and chemical reaction from the ingredients. These ingredient chemicals may not exist as its original formula in final products. None of these ingredients are hazardous substances.

Reportable ingredients (if applicable):

Substance/Composition:	CAS Number:	Percentage/Range:
Red Dye Medium	None provided	25-50%
Pine oil	8002-09-3	10-<20%
1,2-dichlorobenzene	95-50-1	5-<10%
Xylene, mixture of isomers	1330-20-7	5-<10%
Formaldehyde, polymer with 4-(1,1-dimethyl-ethyl)phenol	25085-50-1	5-<10%
Gold pinanyl mercaptide	68365-87-7	5-<10%
Sulphurized Terpineol and Turpentine	72828-31-0	1-5%
Iso-bornyl acetate	125-12-2	1-5%
Clove ext.	84960-50-2	1-5%
Biphenyl	92-52-4	≤1%
Trichloromethane	7-66-3	<0.5%
Rosemary extr.	84604-14-8	<0.5%

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advice:	Symptoms of poisoning may even occur after several hours therefore medical observation for at least 48 hours after the accident.
On Inhalation:	If inhale, seek fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Supply fresh air and be sure to call a doctor. In case of unconsciousness, place the patient stably on side for transportation.
On Skin Contact:	Remove contaminated clothing and wash skin with soap and water. Wash or clean clothing before reuse.
On Eye Contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

On Ingestion:	Immediately call a doctor.
Acute/Delayed Symptoms:	No further relevant information available.

5. FIRE FIGHTING MEASURES

Extinguishing Media	
Suitable extinguishing media:	CO ₂ , sand, extinguishing powder. Do not use water.
Unsuitable extinguishing media:	Water, water with full jet.
Protection of Firefighters	
Specific hazards arising from the chemical:	No further relevant information available.
Protective equipment for firefighters:	See Section 8 of this SDS.
Special precautions for fire fighters:	Wear full firefighting gear and SCBA.
Will hazardous combustion occur?:	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
Environmental Precautions:	
Methods for Cleaning Up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.
Recommended Personal Protective Equipment:	See section 8 of this SDS.

7. HANDLING AND STORAGE

Safe Storage/Handling:	Keep receptacle tightly sealed. Protect from heat. Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture.
Known Incompatibilities:	Keep ignition sources away – Do not smoke.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL
1,2-dichlorobeneze	Short-Term value: 300 mg/m ³ , 50 ppm Long-term value: 150 mg/m ³ , 25 ppm	Long-term value: 300 mg/m ³ , 50 ppm
Xylene, mixture of isomers	Short-Term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm	Long-term value: 435 mg/m ³ , 100 ppm
Biphenyl	Long-term value: 1.3 mg/m ³ , 0.2 ppm	Long-term value: 1 mg/m ³ , 0.2 ppm
Tricholomethane	Long-term value: 49 mg/m ³ , 10 ppm	Long-term value: 240 mg/m ³ , 50 ppm

Appropriate Engineering Controls: See PPE below.

Individual Protection measures, such as PPE (Personal Protective Equipment):

Personal Protection Equipment:	
Respiratory Protection:	Not required.

Eye Protection:	Avoid contact with the eyes.
Hand Protection:	Nitrile rubber, NBR. Chemical resistant gloves.
Skin Protection:	Avoid contact with skin.
Thermal Protection:	No data.
General Safety and Hygiene Measures:	Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
Further Information:	This lists that were valid during the creation were used as basis.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Fluid
Color:	According to product specification.
Odor:	Characteristic.
Odor Threshold:	Not determined
pH:	Neutral
Boiling Point/Range:	137°C/2479°F
Melting Point/Range:	Undetermined.
Flash Point:	21°C/70°F (ISO 3679)
Evaporation Rate:	Not determined.
Vapor Density:	Not determined.
Solubility(ies):	Not miscible or difficult to mix.
Vapor Pressure:	Not determined.
Relative Density:	Not determined.
Viscosity:	Not determined.
Partition Coefficient (n-octanol/water), if applicable:	Not determined.
Explosive Properties:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Flammability: (Solid, gas)	N/A
Flammability Limit in Air Upper/Lower	N/A
Autoignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.

10. STABILITY AND REACTIVITY

Chemical Stability:	No data.
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known.
Possibility of Hazardous Reactions:	No dangerous reactions known.
Reactivity:	No data.
Hazardous polymerization:	No data.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye Contact –Serious Eye Damage or Irritation	Irritating effect.
Skin Contact – Skin Corrosion, Sensitization or Irritation:	Irritant to skin and mucous membranes. Sensitization possible through skin contact.
Ingestion – Carcinogenicity/Aspiration Hazard:	No data.

Inhalation – Respiratory Sensitization/Toxicity:	No data.			
Symptoms related to the physical chemical and toxicological characteristics:	See below.			
Information on toxicological effects:	See below.			
Delayed or Immediate effects:	See below.			
Germ Cell Mutagenicity:	No data.			
Specific target organ toxicity (single exposure):	See below.			
Specific target organ toxicity (repeated exposure):	See below.			
Chemicals listed on NTP, IARC or OSHA as a Carcinogen?:	IARC: 1,2-dichlorobenze – Category 3			
Chemical Name:	Oral LD50	Dermal LD50	Inhalation LC50	Percentage
Pine oil	2000 mg/kg (rat)	X	X	10-<20%
1,2-dichlorobenzene	500 mg/kg (rat)	X	X	5-<10%
Xylene (mixture of isomers)	8700 mg/kg (rat)	2000 mg/kg (rabbit)	6350 mg/l (rat)	5-<10%
Biphenyl	3280 mg/kg (rat)	X	X	≤1%

*Estimates for product may be based on additional component data not shown.




12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity:	
Persistence and degradability:	No further relevant information available.
Bioaccumulative potential:	No further relevant information available.
Aquatic / Terrestrial warnings:	Toxic for fish.
Mobility in soil:	No further relevant information available.
Other adverse effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal instructions:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated packaging:	Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION (NON-MANDATORY)

	DOT	IMDG	IATA
UN/ID number:	UN1993	UN1993	UN1993
Proper shipping name:	Flammable liquids, n.o.s. (RED DYE MEDIUMS, Xylenes)	FLAMMABLE LIQUIDS, N.O.S. (RED DYE MEDIUM, XYLENES)	FLAMMABLE LIQUIDS, N.O.S. (RED DYE MEDIUM, XYLENES)
Transport hazard class:	3 Flammable liquids 	3 Flammable liquids 	3 Flammable liquids 
Packing group (if applicable):	II	II	II
Environmental Provisions:	Product contains environmentally hazardous substances: 1,2-dichlorobenzene.	Product contains environmentally hazardous substances: 1,2-dichlorobenzene.	Product contains environmentally hazardous substances: 1,2-dichlorobenzene.
Special Precautions:	Warning: Flammable Liquids	Warning: Flammable Liquids	Warning: Flammable Liquids
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not applicable.		

Emergency Response Guide Number: No data.	EmS-No: F-E, S-E
Transport / Additional Information:	DOT Quantity limitations: On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L IMDG: Limited quantities (LQ): 1 L Excepted quantities (EQ) : - Code: E2 - Maximum net quantity per inner packaging: 30 ml - Maximum net quantity per outer packaging: 500 ml

15. REGULATORY INFORMATION (NON-MANDATORY)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):	All ingredients listed.				
CERCLA (Superfund) reportable quantity (lbs.) (40 CFR 302.4)	No data.				
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	No data.				
Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):	No data.				
Chemical Name:	CAS Number:	Reportable Quantity:	Threshold planning quantity:	Threshold planning quantity, lower value:	Threshold planning quantity, upper value:
None	X	X	X	X	X
Superfund Amendments and Reauthorization Act of 1986 (SARA)					
SARA 304 Emergency release notification:	No data.				
SARA 311/312 (40 CFR 370) Hazardous Chemical:	No data.				
SARA 313 (TRI reporting):	<u>Chemical Name:</u>		<u>CAS Number:</u>		
	1,2-dichlorobenzene		95-50-1		
	Xylene, Mixture of isomers		1330-20-7		
	Biphenyl		92-52-4		
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):	No data.				
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (Haps) List:	No data.				
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	No data.				
Safe Drinking Water Act (SDWA):	No data.				
Canadian Domestic Substances List (DSL):	Listed				
TSCA:	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S. C. 2601 et. Seq.				
FDA:	21 CFR 175.105				
SARA/Title III:	This product does contain any substances at or above the reported threshold under Section 313, based on available data.				
Conforms to Non-Toxic ASTM-4236:	Products are certified in a program of toxicological evaluation by a nationally recognized toxicologist to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems. These products are certified to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236. In addition, there is no physical hazard as defined within 29 CFR Part 1910.1200(c).				

California Proposition 65 Warning:	This product contains the following chemicals that are known to the State of California to cause cancer, birth defects, or other reproductive harm: None
HMIS III Rating:	Health = 1, Fire = 4, Reactivity = 0
Unless a concentration is specified in Section 2 of the SDS, the above chemical(s) are present in trace amounts.	
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).	

16. OTHER INFORMATION

Table of Abbreviations			
ACGIH:	American Conference of Governmental Industrial Hygienists	LD:	Lethal Dose
ANSI:	American National Standards Institute	MARPOL:	Marine Pollution
ASTM:	American Society for Testing Materials	mg / kg:	Milligram per Kilogram
°C:	Degrees Centigrade	mm:	Millimeter
CAA:	Clean Air Act	MSHA:	Mine Safety and Health Administration
CAS:	Chemical Abstract Service	N/A:	Not Applicable
CERCLA:	Comprehensive Environmental Response, Compensation & Liability Act	NFPA:	National Fire Protection Association
CFR:	Code of Federal Regulations	NIOSH:	National Institute for Occupational Safety and Health
CPR:	Controlled Products Regulations	NTP:	National Toxicology Program
DEA:	Drug Enforcement Act	OEL:	Over Exposure Limit
DOT:	Department of Transportation	OSHA:	Occupational Safety and Health Administration
DSL:	Canadian Domestic Substances List	PEL:	Permissible Exposure Limits
EmS:	Emergency Medical Goods Services	ppm	Parts Per Million
EPA:	Environmental Protection Agency	SARA	Superfund Amendment and Reauthorization Act
°F:	Degrees Fahrenheit	STEL	Short-Term Exposure Limit
FDA:	Food & Drug Administration	SDS:	Safety Data Sheet
g/l:	Grams per Liter	SDWA:	Safe Drinking Water Act
HAPs:	Hazardous Air Pollutants	TLV:	Threshold Limit Value
Hg:	Mercury	TRI:	Toxics Release Inventory
HMIS:	Hazardous Materials Identification System	TSCA	Toxic Substances Control Act
HNOC:	Hazard(s) Not otherwise classified	TWA	Time – Weighted Average
IARC:	International Agency for Research on Cancer	U.N.	United Nations
IATA:	International Air Transport Association	WHMIS	Workplace Hazardous Materials Information System
ID:	Identification / Identity	>	Greater Than
IDLH:	Immediate Danger to Life or Health	<	Less Than
IMDG:	International Maritime Dangerous Goods	73/78:	1973 & 1978
LC:	Lethal Concentration		

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer / distributor of this product does not provide any warranty, guaranty of representation as to the correctness or sufficient of this information. If this material is used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

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5/28/15	1	
	2	3/18/16-JL
	3	6/9/2017 - sp

END SAFETY DATA SHEET