

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Blue Wonder™ Developer

**PRODUCT NUMBER(S):**

**DATE:** November 11, 2008

**TRADE NAME:** Blue Wonder™ Developer  
**GENERAL USE:**  
**CHEMICAL FAMILY:** Silicone, Petroleum Distillates, Specialty Detergents Blend.

**PRODUCT DESCRIPTION:**

Tan liquid with a mild odor.



**MANUFACTURED FOR:**

**Safariland LLC**

**DATE PREPARED:**

**November 11, 2008**

**SUPERSEDES:**

**March 11, 2005**

**ADDRESS (NUMBER, STREET, P.O. BOX)**

**13386 International Parkway**

**TELEPHONE NUMBER FOR INFORMATION / Customer Service**

**904-741-5400**

**(CITY, STATE AND ZIP CODE)**

**Jacksonville, FL 32218**

**COUNTRY**

**USA**

**CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER**



**1-800-255-3924**

**01-813-248-0585**

North America Toll Free

International

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>Heavy Paraffinic Hydrotreated Distillate</b>	<b>20 - 45%</b>	<b>64742-54-7</b>	<b>265-157-1</b>	<b>(+T)</b>	<b>R45</b>
<b>Solvent-Dewaxed Heavy Paraffinic Distillate</b>	<b>20 - 45%</b>	<b>64742-65-0</b>	<b>265-169-7</b>	<b>(+T)</b>	<b>R45</b>
<b>Mineral Spirits</b>	<b>2 - 4%</b>	<b>8052-41-3</b>	<b>232-489-3</b>	<b>(+T)</b>	<b>R45, R65</b>
<b>Naphthenic Hydrocarbons</b>	<b>0 - 2%</b>	<b>64742-52-5</b>	<b>265-155-0</b>	<b>(+T)</b>	<b>R45</b>

**Notes:** Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient. The remaining ingredients not reported are non-hazardous as defined by the OSHA Hazard Communication Standard 29CFR 1900.1200 and the E.U./EC directive 67/548/EEC.

## SECTION 3 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Warning!** Flammable liquid and vapor. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Target Organs:** Central nervous system, liver.

### POTENTIAL HEALTH EFFECTS

#### INHALATION:

May cause respiratory tract irritation. May cause lung damage. May be harmful if inhaled. Aspiration hazard.

#### SKIN:

May cause skin irritation. May be harmful if absorbed through the skin.

#### EYES:

May cause eye irritation.

#### INGESTION:

Aspiration hazard. May cause irritation of the digestive tract. May be harmful if swallowed. May cause lung damage.

#### CARCINOGENICITY:

NTP? **No**

IARC MONOGRAPHS? **No**

OSHA REGULATED? **No**

CALIFORNIA, Prop.65? **No** ESIS? **Yes** CAS#64742-54-7, 64742-65-0, 8052-41-3, 64742-52-5 listed as carcinogens.

## SECTION 4 - FIRST AID MEASURES

#### INHALATION:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Possible aspiration hazard. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

#### EYES:

Material can cause severe eye irritation. Flush eyes with a large quantity of water for a minimum of 15 minutes, then seek medical attention. Do not medicate with "over-the-counter" eye products.

#### SKIN:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

#### INGESTION:

Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward keeping head below waist.

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## SECTION 5 - FIRE FIGHTING MEASURES

### GENERAL HAZARDS:

Flash point = >45°C/ >113°F , Flammable liquid and vapor. Containers may rupture from internal pressure if confined to fire area. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) or European EN-149, and full protective gear. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire.

### EXTINGUISHING MEDIA:

Use foam, dry chemical, or Carbon Dioxide. Water may be ineffective.

### FIRE FIGHTING PROCEDURES:

Water may be used to cool product containers to reduce the risk of vapors. Self-contained breathing apparatus is required. Foam, dry chemical, or Carbon Dioxide are the most effective in fighting the fire itself.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Self-contained breathing apparatus is required. Containers may build up pressure and rupture; cool containers with water. Vapors may accumulate and are heavier than air seeking the lowest point and concentrating there.

### HAZARDOUS COMBUSTION PRODUCTS:

Carbon Monoxide, Carbon Dioxide, smoke and soot containing toxic hydrocarbons.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers. If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

## SECTION 7 - HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

#### HANDLING:

Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106. Keep away from heat and open flame. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, or on clothing. Wash after handling.

#### STORAGE:

Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials. Keep container closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Heavy Paraffinic Hydrotreated Distillate	5	NE	NE	NE	5	NE	5	NE
Solvent-Dewaxed Heavy Paraffinic Distillate	NE	NE	NE	NE	NE	NE	NE	NE
Mineral Spirits	100	350	NR	20000 IDLH	100	NR	100	2900
Naphthenic Hydrocarbons	5	NR	NR	2500 IDLH	5	NR	5	2500

## PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Generally not needed. Use approved NIOSH respirator if TLV levels are exceeded.

### PROTECTIVE GLOVES:

Avoid prolonged or repeated contact with skin. Wear chemically resistant gloves & other clothing as required to prevent contact.

### EYE PROTECTION:

Avoid contact with eyes. Wear safety glasses or goggles as necessary.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear appropriate protective clothing and boots as required to prevent skin contact. Eye wash station recommended.

### WORK / HYGIENIC PRACTICES:



Wash thoroughly before handling food and/or drink, smoking, or using toilet facilities.

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<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>			
APPEARANCE AND ODOR <b>Tan liquid with a mild odor.</b>		VAPOR PRESSURE <b>1 mm @20°C</b>	
pH <b>NR</b>		SPECIFIC GRAVITY (WATER = 1) <b>0.9-1.0</b>	
BOILING POINT / BOILING RANGE <b>160°C / 320°F</b>		SOLUBILITY IN WATER <b>Complete</b>	
FLASH POINT <b>&gt;45°C, &gt;113°F</b>		VISCOSITY <b>N/D</b>	
FLAMMABLE LIMITS LEL: <b>0.90%</b> UEL: <b>N/D</b>		VAPOR DENSITY (AIR = 1) <b>4.5</b>	
AUTO-IGNITION TEMPERATURE <b>Unknown</b>		EVAPORATION RATE (WATER = 1) <b>N/D</b>	
<b>SECTION 10 - STABILITY AND REACTIVITY</b>			
STABILITY STABLE <b>X</b>		CONDITIONS TO AVOID: <b>Extreme Heat (above 120°F ), sparks, open flame, incompatible materials, other sources of ignition.</b>	
INCOMPATIBILITY (MATERIALS TO AVOID): <b>Strong oxidizers.</b>			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: <b>Combustion will produce oxides of carbon, nitrogen.</b>			
HAZARDOUS POLYMERIZATION: <b>Will Not Occur.</b>		CONDITIONS TO AVOID: <b>None Related to Polymerization.</b>	
<b>SECTION 11 - TOXICOLOGICAL INFORMATION</b>			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
<b>Heavy Paraffinic Hydrotreated Distillate</b>	<b>64742-54-7</b>	<b>NE</b>	<b>NE</b>
	<b>265-157-1</b>		
<b>Solvent-Dewaxed Heavy Paraffinic Distillate</b>	<b>64742-65-0</b>	<b>NE</b>	<b>NE</b>
	<b>265-169-7</b>		
<b>Mineral Spirits</b>	<b>8052-41-3</b>	<b>NE</b>	<b>NE</b>
	<b>232-489-3</b>		
<b>Naphthenic Hydrocarbons</b>	<b>64742-52-5</b>	<b>NE</b>	<b>NE</b>
	<b>265-155-0</b>		
<b>SECTION 12 - ECOLOGICAL INFORMATION</b>			
THIS PRODUCT IS COVERED BY EPA'S COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) PETROLEUM EXCLUSION. THEREFORE RELEASES TO AIR, LAND, OR WATER ARE NOT REPORTABLE UNDER CERCLA ("SUPERFUND"). HOWEVER UNDER SECTION 311 OF EPA'S CLEAN WATER ACT (CWA), THIS PRODUCT IS CONSIDERED AN OIL. AS SUCH, SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE <b>NATIONAL RESPONSE CENTER, 800-424-8802</b> . THIS PRODUCT IS AN OIL UNDER 49 CFR (DOT) PART 130. IF SHIPPED BY RAIL OR HIGHWAY IN A TANK WITH A CAPACITY OF 3,500 GALLONS OR MORE, IT IS SUBJECT TO THE REQUIREMENTS OF PART 130. MIXTURES OR SOLUTIONS IN WHICH THIS PRODUCT IS PRESENT AT 10% OR MORE MAY ALSO BE SUBJECT TO THIS RULE.			
<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>			
WASTE DISPOSAL METHOD: All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. <b>Caution!</b> If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. Waste material may be placed into a landfill or incinerated at an approved facility. Materials should be recycled if possible.			
<b>SECTION 14 - TRANSPORT INFORMATION</b>			
PROPER SHIPPING NAME: <b>Not Regulated</b>			
DOT HAZARD CLASS / Pack Group: <b>Not Regulated</b>		IATA HAZARD CLASS / Pack Group: <b>Not Regulated</b>	
REFERENCE:		IMDG HAZARD CLASS: <b>Not regulated</b>	
UN / NA IDENTIFICATION NUMBER: <b>Not Regulated</b>		RID/ADR Dangerous Goods Code: <b>Not Regulated</b>	
LABEL: <b>Not Regulated</b>		UN TDG Class / Pack Group: <b>Not regulated</b>	
HAZARD SYMBOLS:		Hazard Identification Number (HIN): <b>Not Regulated</b>	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			

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<b>PRODUCT NUMBER(S):</b>			
<b>SECTION 15 - REGULATORY INFORMATION</b>			
TSCA (USA - Toxic Substance Control Act):		Listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health:	Yes	Chronic Health:	Yes
Fire:	Yes	Sudden Release of Pressure:	No
Reactive:	No		
<b>313 REPORTABLE INGREDIENTS:</b>		None reportable.	
CERCLA (USA - Comprehensive Response Compensation and Liability Act):			
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:		No	
CCPR (Canadian Controlled Products Regulations):		No	
CIDL (Canadian Ingredient Disclosure List):		None reportable.	
CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed on CDSL.	
EINECS (European Inventory of Existing Commercial Chemical Substances):		Referenced.	
WGK Water Quality Index:		2	
RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:	
<b>R25: Toxic if swallowed.</b> <b>R45: May cause cancer.</b> <b>R65: Harmful: may cause lung damage if swallowed.</b>	 (+T): Toxic	<b>S1/2: Keep locked up and out of the reach of children.</b> <b>S24/25: Avoid contact with skin and eyes.</b> <b>S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).</b> <b>S53: Avoid exposure - obtain special instructions before use.</b>	
<b>SECTION 16 - OTHER INFORMATION</b>			
<b>Legend:</b> NA = Not Applicable, NE = Not Established, ND = Not Determined, NR = Not Reported			
HMIS HAZARD RATINGS	HEALTH:	1	0 = INSIGNIFICANT
	FLAMMABILITY:	1	1 = SLIGHT
	PHYSICAL HAZARD:	0	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	C	3 = HIGH
			4 = EXTREME
<b>REVISION SUMMARY:</b>			
Revised 11 November 2008 to GHS/EU protocols, Supersedes document from March 11, 2005. JTV.			
<b>MSDS Prepared by:</b> ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com			
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.			