



MATERIAL SAFETY DATA SHEET

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

MSDS Revision: 5.0

MSDS Revision Date: 01/21/2011

1. PRODUCT IDENTIFICATION

1.1	Product Name: 303 HIGH TECH FABRIC GUARD™
1.2	Chemical Name: See ingredients listed in section 3
1.3	Synonyms: None reported by the manufacturer
1.4	Trade Names: 303 HIGH TECH FABRIC GUARD™
1.5	Product Use: Water Repellent
1.6	Manufacturer's Name: 303 Products, Inc.
1.7	Manufacturer's Address: P.O. Box 966, Palo Cedro, CA 96073
1.8	Emergency Phone: CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887
1.9	Business Phone / Fax: +1 (530) 549-5617

2. IDENTIFICATION OF RISKS

2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088(2004)] and the ADG Code (Australia). FLAMMABLE LIQUID. In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from CHEMTREC or the U.S. manufacturer, and show them this MSDS.		
2.2	Routes of Entry:	INHALATION: YES	SKIN & EYES: YES
2.3	Effects of Exposure: EYES: Possible irritation and burning sensation. SKIN: Prolonged or repeated exposure may result in irritation, dermatitis & defatting. INGESTION: Possible gastrointestinal irritation, nausea, vomiting or diarrhea. INHALATION: Exposure may cause respiratory tract irritation in some sensitive individuals.		
2.4	Symptoms of Exposure: EYES: Irritation and burning sensation. SKIN: Possible irritation and dermatitis (rash), characterized by red, dry, itching skin. INGESTION: Gastrointestinal discomfort, nausea, vomiting, and headache. INHALATION: Nausea, dizziness, shortness of breath or drunken behavior.		
2.5	Acute Health Effects: EYES: Irritation and burning sensation. SKIN: Possible irritation and dermatitis (rash). INGESTION: Possible gastrointestinal irritation, nausea, vomiting or diarrhea. INHALATION: Exposure may cause respiratory tract irritation in some sensitive individuals.		
2.6	Chronic Health Effects: Chronic exposure may lead to central nervous system complications, blood changes (e.g., aplastic anemia) and dermatitis. Animal studies have indicated the potential for liver and kidney damage.		
2.7	Target Organs: None reported by the manufacturer.		
2.8	Toxicological Properties: None reported by the manufacturer.		

3. COMPOSITION & INGREDIENTS

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH		NOHSC			OSHA			OTHER
					TLV	STEL	ppm	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	
ODORLESS MINERAL SPIRITS	8052-41-3	WJ8925000	232-489-3	≤95.0	100	NA	100	NF	NF	500	NA	NA	
PROPRIETARY INGREDIENTS	NA	NA	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; 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 Z400.1-2004 format.



MATERIAL SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 5.0 | MSDS Revision Date: 01/21/2011

4. FIRST AID

- 4.1 First Aid:
EYES: Flush eyes thoroughly with copious amounts of water for at least 20 minutes, holding eyelids open to ensure complete flushing. Seek immediate medical attention.
SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Launder clothing before reuse.
INGESTION: Do not induce vomiting. Call a physician or poison control center for assistance & 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 is difficult, provide supplemental oxygen. If breathing has stopped, provide artificial respiration. Seek immediate medical attention. Provide treatment, keeping victim warm & quiet.
- 4.2 Medical Conditions Aggravated by Exposure:
Persons with pre-existing skin disorders or eye problems or impaired kidney function may be more susceptible to the effects of the substance.

5. FIRE & EXPLOSION HAZARDS

- 5.1 Flashpoint & Method:
50 °C (122 °F) ICC
- 5.2 Autoignition Temperature:
Not known.
- 5.3 Flammability Limits: Lower Explosive Limit (LEL): **0.7%** Upper Explosive Limit (UEL): **5.0%**
- 5.4 Fire & Explosion Hazards:
Flammable liquid. On combustion may produce carbon monoxide (CO).
- 5.5 Extinguishing Methods:
CO₂, dry chemical or other appropriate fire extinguishing media, alcohol foam, (for surrounding materials).
- 5.6 Firefighting Procedures:
Flammable. 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 clothing.
HAZCHEM CODE: 3Y



6. SPILLS & LEAKS

- 6.1 Spills:
Secure spill area, remove or minimize all sources of ignition, and maximize ventilation. Stop spill or leak at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Recover free liquid or cover with inert absorbent material and place into appropriate container(s) for disposal. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers or any natural waterway or drinking supply.

7. STORAGE & HANDLING

- 7.1 Work & Hygiene Practices:
Use normal hygiene practices. Avoid breathing vapors. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking. Good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended.
- 7.2 Storage & Handling:
Keep away from spark, flame and other sources of ignition. Follow all label instructions. Keep container closed when not in use.
- 7.3 Special Precautions:
Keep this and all chemical out of reach of children.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

- 8.1 Ventilation & Engineering Controls:
Explosion-proof local exhaust to maintain exposure limits below those listed in Section 2.
- 8.2 Respiratory Protection:
When in enclosed areas or when exposure exceeds limits listed in Section 2, use NIOSH./MSHA approved chemical cartridge respirator with organic vapor (OV) cartridge.
- 8.3 Eye Protection:
Protective eyewear should be used when handling any chemical product.
- 8.4 Hand Protection:
Solvent-proof gloves recommended to prevent/reduce exposure.
- 8.5 Body Protection:
As required to prevent/reduce exposure.



MATERIAL SAFETY DATA SHEET

Page 3 of 6
303-1008

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

MSDS Revision: 5.0

MSDS Revision Date: 01/21/2011

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.80 - 0.90
9.2	Boiling Point:	≥ 170 °C
9.3	Melting Point:	≤ 1.0 °C
9.4	Evaporation Rate:	≤ 0.1 (water = 1.0)
9.5	Vapor Pressure @ 20°C:	0.52 mm Hg @ 20 °C (68 °F)
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Clear to white liquid
9.8	Odor Threshold:	Solvent odor
9.9	Solubility:	Insoluble in water
9.10	pH:	9.8
9.11	Viscosity:	Not provided by manufacturer.
9.12	Coefficient Oil/Water Distribution:	Not provided by manufacturer.
9.13	Additional Information:	Vapor density 4.9 (air=1.0)

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions.
10.2	Decomposition Products:	Heat and carbon oxides (carbon monoxide, carbon dioxide.)
10.3	Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, and close proximity to incompatible substances.
10.5	Incompatible Substances:	Strong acids, alkalis or oxidizing agents.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	No general or specific toxicity data has been reported by the manufacturer other than the information presented in Section 2. However, good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended.
11.2	Acute Toxicity:	See section 2.5
11.3	Chronic Toxicity:	See section 2.6
11.4	Suspected Carcinogen:	No. This product contains less than 3% Dimethyl Sulfoxide (DMSO).
11.5	Reproductive Toxicity:	This product is not expected to cause reproductive harm to humans.
	Mutagenicity:	This product is not expected to cause mutagenic effects in humans.
	Embryotoxicity:	This product is not expected to cause embryotoxic effects in humans.
	Teratogenicity:	This product is not expected to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not expected to cause reproductive harm in humans.
11.6	Irritancy of Product:	None reported by manufacturer.
11.7	Biological Exposure Indices:	None reported by manufacturer.
11.8	Medical Recommendations:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability:	The manufacturer has not reported detailed studies on the environmental fate of the material. However, prudent practice would dictate the material not be allowed to enter the environment.
12.2	Effect on Plants & Animals:	The manufacturer has not reported any plant and animal effects.
12.3	Effect on Aquatic Life:	The manufacturer has not reported any aquatic life effects.



MATERIAL SAFETY DATA SHEET




Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 5.0 | MSDS Revision Date: 01/21/2011

13. DISPOSAL CONSIDERATIONS





- 13.1 Waste Disposal:
Dispose of in accordance with federal, state & provincial hazardous waste laws.
- 13.2 Special Considerations:
If the material is unsuitable for recycling or reclamation, enclosed-controlled incineration is recommended unless otherwise prohibited by local ordinance or other statute.

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, 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): NOT REGULATED per 49 CFR §173.150(f)	  
14.2	IATA (AIR): CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, LTD QTY (>0.5 L, ≤ 5.0 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (> 5.0 L)	
14.3	IMDG (OCN): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, LTD QTY (≤ 5.0 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (> 5.0 L)	
14.4	TDGR (Canada GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE"	
14.5	ADR/RID (EU): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, ADR, LTD QTY (≤ 5.0 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, ADR (> 5.0 L)	
14.6	SCT (MEX): UN1268, DESTILADOS DE PETROLEO, N.E.P., 3, III, CANTIDAD LIMITADA (≤ 5.0 L) UN1268, DESTILADOS DE PETROLEO, N.E.P., 3, III (> 5.0 L)	
14.7	ADGR (AUS): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (HIN 30)	

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: This product does not contain any substances subject to SARA Title III reporting requirements.	
15.2	SARA Threshold Planning Quantity: This product does not contain any substances with a SARA threshold planning quantity.	
15.3	TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt.	
15.4	CERCLA Reportable Quantity (RQ): This product does not contain any substances with a CERCLA reportable quantity.	
15.5	Other Federal Requirements: This product does not contain any substances with other federal reporting requirements.	
15.6	Other Regulations Class B2 Flammable Liquid. 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.	 
15.7	State Regulatory Information: Ingredients in this mixture are not found on any of the following state criteria lists: California OSHA Hazardous Substances List, California Proposition 65, Delaware Air Quality Management List, Florida Toxic Substances List, Massachusetts Hazardous Substances List, Michigan Critical Substances List, Minnesota Hazardous Substances List, New Jersey Right to Know Hazardous Substances List, Pennsylvania Hazardous Substances List, Wisconsin Hazardous Substances List.	
15.8	67/548/EEC Requirements: The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: <u>Naphtha (petroleum), heavy aromatic</u>: Flammable, Harmful (F, Xn), R: 10- Flammable. Harmful, may cause lung damage if swallowed. S: 2-46 Keep out of reach of children. If swallowed seek medical advice immediately and show this container or label. HAZCHEM CODE: 3Y	 



MATERIAL SAFETY DATA SHEET

Page 5 of 6
303-1008

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

MSDS Revision: 5.0

MSDS Revision Date: 01/21/2011

16. OTHER INFORMATION

16.1 Other Information:
NA

16.2 Terms & Definitions:
Please see last page of this MSDS.

16.3 Disclaimer:
This Material Safety Data Sheet complies with U.S. OSHA's Hazard Communication Standard, 29 CFR §1910.1200 and Health Canada's Workplace Hazardous Materials Information System (WHMIS). To the best of ShipMate's or 303 Products' 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:
303 Products, Inc.
P.O. Box 966
Palo Cedro, CA 96073-0966
Phone: +1 (530) 549-5617
Web: <http://www.303products.com/>



16.5 Prepared by:
ShipMate, Inc.
780 Buckaroo Trail, Suite D
Sisters, OR 97759
Phone: +1 (310) 370-3600
Fax: +1 (310) 370-5700
E-mail: shipmate@shipmate.com
Web: <http://www.shipmate.com/>





MATERIAL SAFETY DATA SHEET

Page 6 of 6
303-1001

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 5.0 | MSDS Revision Date: 01/21/2011

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	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.
------------	--

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH [] []
FLAMMABILITY [] []
REACTIVITY [] []
PERSONAL PROTECTION [] []

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.

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

FLAMMABILITY LIMITS IN AIR:

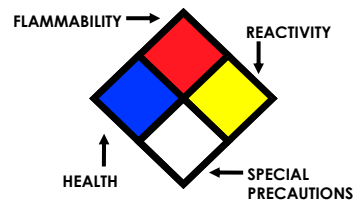
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of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

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 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
TD₀₁	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₀₁, LD₀₁, & LD₀₁ or TC, TC₀₁, LC₀₁, & LC₀₁	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
NOHSC	Australia National Occupational Health & Safety Code
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

WHMIS INFORMATION:

A	B	C	D1	D2	D3	E	F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive