

Prepared according to the WHMIS, ANSI, NOHSC, ACC, OSHA & 2001/58/EC standards.

Revision 1.1

11/01/06

1. PRODUCT IDENTIFICATION

CHEMICAL RESPONSE CARD:

1.1	Product Name:	303 HIGH TECH FABRIC GUARD™	RESPONSE TEAM PPE:			
1.2	Chemical Name:	See ingredients listed in section 2	WHMIS:			
1.3	Synonyms:	None reported by the manufacturer				
1.4	Trade Names:	303 HIGH TECH FABRIC GUARD	3			
1.5	Product Use:	Water Repellent For Fabrics	FLAMMABILITY: 2			
1.6	Manufacturer's Name:	303 Products, Inc.	REACTIVITY: 0			
1.7	Manufacturer's Address:	10801 Starwood Drive, Palo Cedro, CA 96073	PERSONAL PROTECTION: B			
1.8	Business Phone:	+1 (530) 549-5617				
1.9	Emergency Phone:	CHEMTREC +1 (800) 424-9300 / +1 (703) 527-3887				

2. IDENTIFICATION OF RISKS

2.1	Hazard Identification:	Flammable liquid. This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC and the ADG Code (Australia). 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 Material Safety Data Sheet.
2.2	Routes of Entry:	INHALATION: YES SKIN & EYES: YES INGESTION: 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 (aplastic anemia, a rare occurrence that is potentially fatal), 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

COMPOSITION	CAS No.	RTECs No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)					
					ACGIH – ppm		OSHA – ppm			OTHERS
					TLV	STEL	PEL	STEL	IDLH	
Petroleum Distillates	64742-48-9	NA	265-150-3	NA	NA	NA	NA	NA	NA	

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4. FIRST AID

4.1	First Aid:	<p>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.</p> <p>SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Launder clothing before reuse.</p> <p>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.</p> <p>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.</p>
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) TCC			
5.2	Autoignition Temperature:	NA			
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	Not Determined	Upper Explosive Limit (UEL):	Not Determined
5.4	Fire & Explosion Hazards:	Flammable.			
5.5	Extinguishing Methods:	CO ₂ , dry chemical or other appropriate fire extinguishing media, alcohol foam.			
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.			

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.
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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:	Chemical goggles 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.



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9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.80 - 0.90
9.2	Boiling Point:	≥ 150 °C
9.3	Melting Point:	≤ 1.0 °C
9.4	Evaporation Rate:	≤ 0.1 (water = 1.0)
9.5	Vapor Pressure @ 20°C:	0.5 mm Hg
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Clear to white liquid
9.8	Odour Threshold:	Solvent odor
9.9	Solubility:	Insoluble in water
9.10	pH:	NA
9.11	Viscosity:	NA
9.12	Coefficient Oil/Water Distribution:	NA
9.13	Additional Information:	Vapor Density 5.3 (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 products 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:	NA
11.7	Biological Exposure Indices:	NA
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.



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13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state & provincial hazardous waste laws.
13.2	Special Considerations:	Refer to manufacturer/supplier for information on recovery/recycling. 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

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	MEXICO (SCT):	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)	

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA reporting requirements.	
15.2	SARA Threshold Planning Quantity:	Not applicable.	
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):	Not applicable.	
15.5	Other Federal Requirements:	Not applicable.	
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 state criteria lists.	
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</u> : (Low-Boiling Point Hydrogen Treated) Flammable, Irritant (F, Xi), R: 10-36/37/38 - Flammable. Irritating to eyes, respiratory system and skin. S: 2-23-24/25-26-37/39-51 - Keep out of the reach of children. Do not breathe vapors. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection. Use only in well-ventilated areas.	 



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16. OTHER INFORMATION

16.1 Other Information:
 This product has been classified according to the hazard criteria of the U.S. Occupational Safety & Health Administration's hazard Communication Standards and Health Canada's Controlled Products Regulations (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.

16.2 Terms & Definitions:
 See last page of this Material Safety Data Sheet.

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. For additional information regarding use, storage and handling or disposal, contact the manufacturer.

16.4 Prepared for:
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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

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.

OTHER STANDARD ABBREVIATIONS:

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

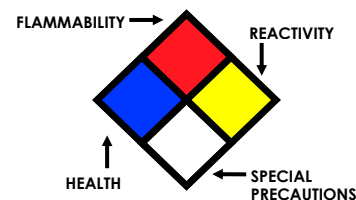
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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, & LD₀₁ or TC, TC₀₁, LC₁₀, & 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
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