

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



Revision 1.1

11/01/06

1. PRODUCT IDENTIFICATION

1.1	Product Name:	303 AEROSPACE PROTECTANT™
1.2	Chemical Name:	See ingredients listed in section 2
1.3	Synonyms:	None reported by the manufacturer
1.4	Trade Names:	303 AEROSPACE PROTECTANT
1.5	Product Use:	Protectant
1.6	Manufacturer's Name:	303 Products, Inc.
1.7	Manufacturer's Address:	10801 Starwood Drive, Palo Cedro, CA 96073
1.8	Business Phone:	+1 (530) 549-5617
1.9	Emergency Phone:	CHEMTREC +1 (800) 424-9300 / +1 (703) 527-3887

CHEMICAL RESPONSE CARD:

RESPONSE TEAM PPE:				
WHMIS:				
HEALTH:				1
FLAMMABILITY:				0
REACTIVITY:				0
PERSONAL PROTECTION:				B

2. IDENTIFICATION OF RISKS

2.1	Hazard Identification:	This product is not classified as a hazardous substance or 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: NO	SKIN & EYES: YES	INGESTION: YES
2.3	Effects of Exposure:	EYES: Possible irritation and burning sensation. SKIN: Possible irritation and dermatitis (rash). INGESTION: Possible gastrointestinal irritation, nausea, vomiting or diarrhea. INHALATION: No adverse health effects expected.		
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: No adverse health effects expected.		
2.5	Acute Health Effects:	EYES: Irritation. SKIN: Possible irritation and dermatitis (rash). INGESTION: Possible gastrointestinal irritation, nausea, vomiting or diarrhea. INHALATION: No adverse health effects expected.		
2.6	Chronic Health Effects:	None known.		
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	
Trade Secret	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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. If irritation persists, contact a physician. SKIN: Wash affected areas with soap and water. If irritation persists, contact a physician. Launder clothing before reuse. INGESTION: If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. INHALATION: Remove victim to fresh air at once.
4.2	Medical Conditions Aggravated by Exposure:	None known.

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5. FIRE & EXPLOSION HAZARDS

5.1	Flashpoint & Method:	Not flammable.			
5.2	Autoignition Temperature:	Not Applicable			
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	Not Applicable	Upper Explosive Limit (UEL):	Not Applicable
5.4	Fire & Explosion Hazards:	None known.			
5.5	Extinguishing Methods:	CO ₂ , sand, dry chemical or other approved fire extinguishing media, foam, and indirect water spray or fog.			
5.6	Firefighting Procedures:	Poses no unusual fire or explosion hazard. 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 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.
7.2	Storage & Handling:	Use and store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Do not store in unmarked containers or storage devices.
7.3	Special Precautions:	Readily available emergency fire, first aid, and spill response equipment and/or measures are highly recommended.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls:	General mechanical ventilation is sufficient for use with this product. Local exhaust is recommended in enclosed or confined spaces.
8.2	Respiratory Protection:	A respiratory protection program that meets ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use.
8.3	Eye Protection:	Safety glasses with side shields should be used with this product. If splashing is anticipated, splash goggles and a faceshield are recommended.
8.4	Hand Protection:	Where contact is likely, impervious gloves are recommended. Do not wear rings, watches, or jewelry that could entrap the material against the skin.
8.5	Body Protection:	None required under normal conditions.



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9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.01 - 1.02
9.2	Boiling Point:	≥ 100 °C
9.3	Melting Point:	≤ 1.0 °C
9.4	Evaporation Rate:	≤ 1.0 (water = 1)
9.5	Vapor Pressure @ 20°C:	17 mm Hg
9.6	Molecular Weight:	Not Available
9.7	Appearance & Colour:	Milky, white liquid
9.8	Odour Threshold:	Mild odor
9.9	Solubility:	Fully soluble
9.10	pH:	9.79
9.11	Viscosity:	Not Available
9.12	Coefficient Oil/Water Distribution:	Not Available
9.13	Additional Information:	Vapor density 3.2 (Air =1.0)

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions.
10.2	Decomposition Products:	Heat and carbon dioxide.
10.3	Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Close proximity to incompatible substances (e.g., alkalis, strong oxidizers).
10.5	Incompatible Substances:	None reported by the manufacturer.

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
11.5	Reproductive Toxicity:	This product is not expected to cause reproductive harm in 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:	Not Available
11.7	Biological Exposure Indices:	Not Available
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 regional, 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
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canada GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	MEXICO (SCT):	NOT REGULATED

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:	Not applicable
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):	Not Applicable
15.5	Other Federal Requirements:	Not Applicable
15.6	Other 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.
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 (European Union) Requirements:	The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC. Safety Phrases (S): 2-3/9-20/21-45-59 – Keep out of the reach of children. Keep in a cool, well ventilated place. When using, do not eat, drink or smoke. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Refer to manufacturer/supplier for information on recovery/ recycling.



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16. OTHER INFORMATION

16.1	Other Information:	Repels dust, soiling & staining. Protects against UV and ozone deterioration. Use on vinyl & leather interiors, vinyl convertible tops, boats seats, clear vinyl & Lexan windows, spa & pool covers, inflatable boats, canoes, kayaks, car bras, tonneau covers, door and trunk seals, tires, fenders flares, bumpers, trim, lenses, motorcycles, bicycles, ATV's, personal watercraft, snow mobiles, wetsuits, diving equipment, latex rubber, plastic furniture. Not for textiles, unfinished leathers or floors.
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16.2	Terms & Definitions:	Please see last page of this Material Safety Data Sheet.
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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.
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16.4	Prepared for: 303 Products, Inc. 10801 Starwood Drive Palo Cedro, CA 96073-0966 Phone: +1 (530) 549-5617 Web: http://www.303products.com/
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16.5	Prepared by: ShipMate, Inc. 18436 Hawthorne Blvd, Suite 201 Torrance, CA 90504 Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700 E-mail: shipmate@shipmate.com Web: 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

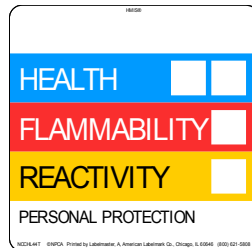
FIRST AID MEASURES:

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

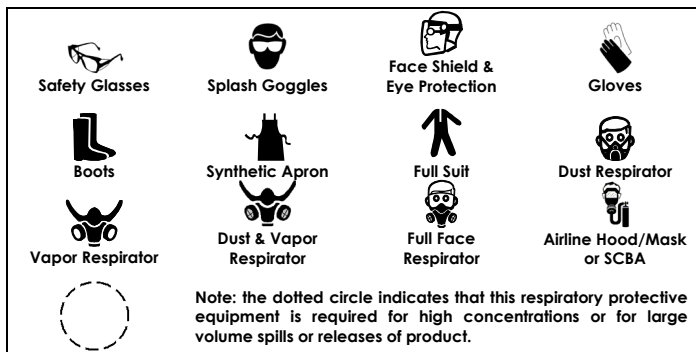
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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.



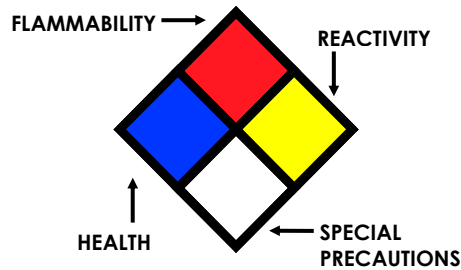
OTHER STANDARD ABBREVIATIONS:

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, & 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
TSCA	U.S. Toxic Substance Control Act