



MATERIAL SAFETY DATA SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 3.1 | MSDS Revision Date: 03/05/2009

1. PRODUCT IDENTIFICATION

1.1	Product Name: 303 AEROSPACE CLEANER™ INDUSTRIAL CONCENTRATE
1.2	Chemical Name: See ingredients listed in section 3
1.3	Synonyms: None reported by the manufacturer
1.4	Trade Names: 303 AEROSPACE CLEANER™ INDUSTRIAL CONCENTRATE
1.5	Product Use: Cleaner
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 NOT classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088(2004)] and the ADG Code. 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: NO	SKIN & EYES: 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

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH		NOHSC			OSHA			OTHER
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
PROPRIETARY	NA	NA	NA	NA	NA	NA	NA	NA	NA	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.



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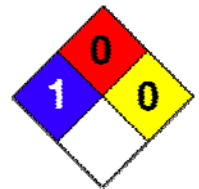
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4. FIRST AID

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: Do not induce vomiting. 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.

5. FIRE & EXPLOSION HAZARDS

5.1	Flashpoint & Method: Non flammable.
5.2	Autoignition Temperature: Not applicable
5.3	Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL): NA
5.4	Fire & Explosion Hazards: None known.
5.5	Extinguishing Methods: CO₂, sand, dry chemical, halon, foam, and indirect water spray or fog, (for surrounding materials).
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. Wash hands thoroughly after using this product and before eating, drinking, or smoking.
7.2	Storage & Handling: Do not freeze. Follow all label instructions. Keep container closed when not in use.
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: None required under normal conditions of use.
8.2	Respiratory Protection: None required.
8.3	Eye Protection: Protective eyewear should be used when handling any chemical product.
8.4	Hand Protection: Waterproof gloves recommended but not required.
8.5	Body Protection: None required under normal conditions of use.



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9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	1.01-1.02
9.2	Boiling Point:	> 93.4 °C
9.3	Melting Point:	Not determined
9.4	Evaporation Rate:	< 1.0 (water = 1.0)
9.5	Vapor Pressure @ 20°C:	17.5 mm Hg
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Yellowish liquid
9.8	Odor Threshold:	Mild odor
9.9	Solubility:	Fully soluble
9.10	pH:	9.0 - 9.9
9.11	Viscosity:	NA
9.12	Coefficient Oil/Water Distribution:	NA
9.13	Additional Information:	Vapor density 0.62 (Air=1.0)

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions.
10.2	Decomposition Products:	NA
10.3	Polymerization:	Will not occur.
10.4	Conditions to Avoid:	NA
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:	
	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 the manufacturer.
11.7	Biological Exposure Indices:	None reported by the 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.



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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: If the material is unsuitable for recycling or reclamation, enclosed-controlled incineration is recommended unless otherwise prohibited by local ordinance.

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	
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	SCT (MEX): NOT REGULATED	
14.7	ADGR (AUS): 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: 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 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. S: 2-46 Keep out of the reach of children. If swallowed, seek medical advise immediately and show this container or label.



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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:
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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.

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

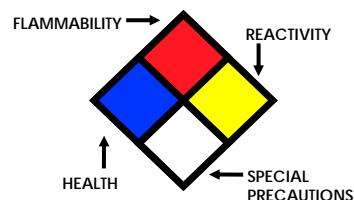
OTHER STANDARD ABBREVIATIONS:

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
TD₁₀₁, LD₁₀₁, & LD₅₀ or TC, TC₀₁, LC₁₀₁, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RIECS	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