MSDS Table of Contents

Click the desired link below to jump directly to that section in the MSDS.

1. PRODUCT AND COMPANY IDENTIFICATION
2. COMPOSITION/INFORMATION ON INGREDIENTS
3. HAZARDS IDENTIFICATION
4. FIRST AID MEASURES
5. FIREFIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS / PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION
16. OTHER INFORMATION

PRESTONE PRODUCTS CORPORATION

MSDS500

SUBARU COOLING SYSTEM CONDITIONER

DATE PREPARED: 04/03/08

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS ID: MSDS500

PRODUCT NAME: SUBARU COOLING SYSTEM CONDITIONER

PRODUCT NUMBER: NOT APPLICABLE

FORMULA NUMBER: NOT APPLICABLE

MANUFACTURER:
HONEYWELL CONSUMER PRODUCTS GROUP
39 OLD RIDGEBURY ROAD
DANBURY, CT 06810-5109

CANADIAN OFFICE:
HONEYWELL CONSUMER PRODUCTS GROUP
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(800)668-9349 (IN CANADA)

EMERGENCY PHONE NUMBER:
CHEMTREC: (800)424-9300 (IN THE US)

CANUTEC: (613)996-6666 (IN CANADA)

CHEMTREC: 1-703-527-3887 (OUTSIDE THE US)

MSDS DATE OF PREPARATION/REVISION: 04/03/08

PRODUCT USE: AUTOMOBILE COOLING SYSTEM TREATMENT - CONSUMER PRODUCT

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	AMOUNT
SODIUM TETRABORATE DECAHYDRATE	1303-96-4	1-5%
ETHYL ALCOHOL	64-17-5	1-5%
WATER	7732-18-5	80-90%
LINDSEED MEAL	MIXTURE	1-5%

(SEE SECTION 8 FOR EXPOSURE LIMITS)

3. HAZARDS IDENTIFICATION

BROWN CLOUDY LIQUID WITH A MILD ODOR.

EMERGENCY OVERVIEW:
NOT FLAMMABLE OR COMBUSTIBLE. MAY CAUSE MILD EYE AND SKIN IRRITATION. OVEREXPOSURE TO SODIUM TETRABORATE DECAHYDRATE MAY CAUSE REPRODUCTIVE HARM OR BIRTH DEFECTS.

4. FIRST AID MEASURES

INHALATION:
NO ADVERSE EFFECTS ARE EXPECTED, HOWEVER, IF IRRITATION OR OTHER SYMPTOMS DEVELOP, REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

EYE CONTACT:
IMMEDIATELY FLUSH WITH WATER, HOLDING OPEN EYELIDS, FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION:
IF SWALLOWED, GET MEDICAL ADVICE BY CALLING A POISON CONTROL CENTER OR EMERGENCY ROOM. IF ADVICE IS NOT AVAILABLE, TAKE THE VICTIM AND THE PRODUCT CONTAINER TO THE NEAREST EMERGENCY TREATMENT CENTER OR HOSPITAL. DO NOT ATTEMPT TO INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN:
THERE IS NO SPECIFIC ANTIDOTE. TREATMENT SHOULD BE DIRECTED AT THE CONTROL

OF SYMPTOMS AND THE CLINICAL CONDITION. CONTACT YOUR POISON CONTROL CENTER FOR SPECIFIC CONSULTATION.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:
FOR LARGE FIRES, USE DRY CHEMICAL OR CARBON DIOXIDE, ALCOHOL FOAM, SAND OR EARTH.

SPECIAL FIRE FIGHTING PROCEDURES:
FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING FOR FIRES IN AREAS WHERE CHEMICALS ARE USED OR STORED. COOL EXPOSED CONTAINER WITH WATER SPRAY OR FOG.

UNUSUAL FIRE HAZARDS: NONE KNOWN.

HAZARDOUS COMBUSTION PRODUCTS:
THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

6. ACCIDENTAL RELEASE MEASURES

WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT (SEE SECTION 8). COLLECT' WITH ABSORBENT MATERIAL AND PLACE IN APPROPRIATE, LABELED CONTAINER FOR DISPOSAL OR, IF PERMITTED FLUSH SPILL AREA WITH WATER.

7. HANDLING AND STORAGE

AVOID EYE CONTACT. AVOID PROLONGED OR REPEATED SKIN CONTACT.

AVOID BREATHING VAPORS OR MISTS.

WASH EXPOSED SKIN THOROUGHLY WITH SOAP AND WATER AFTER USE. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND MAY BE HAZARDOUS. DO NOT CUT, WELD, DRILL, ETC. CONTAINERS, EVEN EMPTY. DO NOT REUSE EMPTY CONTAINERS UNLESS PROPERLY CLEANED.

NFPA CLASSIFICATION: NONE

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL	EXPOSURE LIMIT
SODIUM TETRABORATE DECAHYDRATE	2 MG/M3 TWA ACGIH TLV (INHALABLE FRACTION) 6 MG/M3 STEL ACGIH TLV (INHALABLE FRACTION)
ETHYL ALCOHOL	1000 PPM TWA OSHA PEL 1000 PPM TWA ACGIH TLV 1000 PPM TWA NIOSH REL
WATER	NONE ESTABLISHED

LINDSEED MEAL	NONE ESTABLISHED

VENTILATION:
GENERAL VENTILATION SHOULD BE ADEQUATE FOR NORMAL USE. FOR OPERATIONS WHERE THE EXPOSURE TO HIGH CONCENTRATIONS OF VAPORS OR MISTS MAY OCCUR, LOCAL EXHAUST MAY BE REQUIRED TO MAINTAIN EXPOSURES BELOW THE OCCUPATIONAL EXPOSURE LIMITS.

RESPIRATORY PROTECTION:
NONE UNDER NORMAL USE CONDITIONS. FOR OPERATIONS WHERE HIGH CONCENTRATIONS OF VAPORS OR MISTS ARE PRESENT, A NIOSH APPROVED RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE AND A DUST/MIST PREFILTER OR SUPPLIED AIR RESPIRATOR IS RECOMMENDED. EQUIPMENT SELECTION DEPENDS ON CONTAMINANT TYPE AND CONCENTRATION. SELECT IN ACCORDANCE WITH 29 CFR 1910.134 AND GOOD INDUSTRIAL HYGIENE PRACTICE. FOR FIREFIGHTING, USE SELF-CONTAINED BREATHING APPARATUS.

GLOVES:
CHEMICAL RESISTANT GLOVES SUCH AS VITON RECOMMENDED WHERE NEEDED TO PREVENT PROLONGED/REPEATED SKIN CONTACT.

EYE PROTECTION:
SAFETY GLASSES OR GOGGLES RECOMMENDED IF SPLASHING IS POSSIBLE.

OTHER PROTECTIVE EQUIPMENT/CLOTHING:
APPROPRIATE PROTECTIVE CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:
BROWN CLOUDY LIQUID WITH A MILD ODOR. THERE IS NO ODOR THRESHOLD DATA FOR THIS PRODUCT.

pH: NOT AVAILABLE

SPECIFIC GRAVITY: NOT AVAILABLE

BOILING POINT: 212 DEG. F (100 DEG. C)

VAPOR PRESSURE: NOT DETERMINED

FREEZING POINT: 32 DEG. F (0 DEG. C)

VAPOR DENSITY: NOT DETERMINED

SOLUBILITY IN WATER: 85%

PERCENT VOLATILE: NOT DETERMINED

VISCOSITY: NOT DETERMINED

EVAPORATION RATE: NOT DETERMINED

COEFFICIENT OF WATER/OIL DISTRIBUTION: NOT DETERMINED

FLASH POINT: NONE

AUTOIGNITION TEMPERATURE: NONE

FLAMMABILITY LIMITS:

LEL: NONE
UEL: NONE

10. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: AVOID STRONG OXIDIZING AGENTS AND REDUCING AGENTS.

DECOMPOSITION PRODUCTS:
HEATING TO DECOMPOSITION WILL YIELD CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION:
NONE EXPECTED UNDER NORMAL USE CONDITIONS. HIGH VAPOR CONCENTRATIONS MAY CAUSE DIZZINESS, DROWSINESS, NAUSEA AND UNCONSCIOUSNESS.

SKIN CONTACT:
PROLONGED OR REPEATED CONTACT MAY CAUSE MILD IRRITATION.

EYE CONTACT: MAY CAUSE MILD IRRITATION WITH REDNESS, STINGING AND TEARING.

INGESTION:
MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC HAZARDS:
OVEREXPOSURE TO BORATES MAY CAUSE SKIN REDNESS AND PEELING. PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS. OVEREXPOSURE TO SODIUM TETRABORATE DECAHYDRATE MAY CAUSE REPRODUCTIVE HARM OR BIRTH DEFECTS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
BECAUSE OF ITS IRRITATING PROPERTIES, THIS PRODUCT MAY AGGRAVATE AN EXISTING SKIN CONDITION.

CARCINOGEN:
NONE OF THE COMPONENTS OF THIS PRODUCT ARE LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY IARC, NTP, ACGIH OR OSHA.

ACUTE TOXICITY VALUES:

SODIUM TETRABORATE PENTRAHYDRATE:
LD50 ORAL RAT: >3,200 MG/KG
LD50 SKIN RABBIT: >2,000 MG/KG
LC50 INHALATION RAT: >2.0 MG/L

ETHYL ALCOHOL:
LD50 ORAL RAT: 7,060 MG/KG
LC50 INHALATION RAT: 20,000 PPM/10HR

12. ECOLOGICAL INFORMATION

SODIUM TETRABORATE PENTRAHYDRATE:
LC50/96-HOUR SEAWATER DAB: 74 MG/L

ETHANOL: THE LC50/96-HOUR VALUES FOR FISH ARE OVER 100 MG/L.

13. DISPOSAL CONSIDERATIONS

DISPOSE OF PRODUCT IN ACCORDANCE WITH ALL LOCAL, STATE/PROVINCIAL AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION

U.S. DOT HAZARD CLASSIFICATION: NOT REGULATED

DOT MARINE POLLUTANTS:
THIS PRODUCT DOES NOT CONTAIN MARINE POLLUTANTS AS DEFINED IN 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION: NOT REGULATED

CANADIAN TDG CLASSIFICATION: NOT REGULATED

15. REGULATORY INFORMATION

EPA SARA 311/312 HAZARD CLASSIFICATION: ACUTE HEALTH

EPA SARA 313:
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO ANNUAL RELEASE REPORTING REQUIREMENTS UNDER SARA TITLE III, SECTION 313 (40 CFR 372): NONE

PROTECTION OF STRATOSPHERIC OZONE:
THIS PRODUCT IS NOT KNOWN TO CONTAIN OR TO HAVE BEEN MANUFACTURED WITH OZONE DEPLETING SUBSTANCES AS DEFINED IN 40 CFR PART 82, APPENDIX A TO SUBPART A.

CERCLA SECTION 103:
THIS PRODUCT IS NOT SUBJECT TO CERCLA REPORTING REQUIREMENTS, HOWEVER, MANY STATES HAVE MORE STRINGENT RELEASE REPORTING REQUIREMENTS. REPORT SPILLS REQUIRED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.

CANADIAN WHMIS CLASSIFICATION:
CLASS D, DIVISION 2, SUBDIVISION B - (A TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS) EYE AND SKIN IRRITANT

CANADIAN WHMIS SYMBOL: D2 - MATERIALS CAUSING OTHER TOXIC EFFECTS

THIS MSDS HAS BEEN PREPARED ACCORDING TO THE CRITERIA OF THE CONTROLLED PRODUCTS REGULATION (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS):

ALL OF THE INGREDIENTS ARE LISTED ON THE EINECS INVENTORY.

KOREA:
ALL OF THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE KOREAN EXISTING CHEMICALS LIST (KECL).

16. OTHER INFORMATION

NFPA RATING:
HEALTH 1
FIRE 0
REACTIVITY 0

REVISION SUMMARY: UPDATED FORMAT

SECTION 15: UPDATED INTERNATIONAL INVENTORY STATUS.

THIS MSDS IS DIRECTED TO PROFESSIONAL USERS AND BULK HANDLERS OF THE PRODUCT. CONSUMER PRODUCTS ARE LABELED IN ACCORDANCE WITH FEDERAL HAZARDOUS SUBSTANCES ACT REGULATIONS. WHILE PRESTONE PRODUCTS CORPORATION BELIEVES THAT THE DATA CONTAINED HEREIN ARE FACTUAL AND THE OPINIONS EXPRESSED ARE THOSE OF QUALIFIED EXPERTS REGARDING THE RESULTS OF TESTS CONDUCTED, THE DATA ARE NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH PRESTONE PRODUCTS CORPORATION ASSUMES LEGAL RESPONSIBILITY. THEY ARE OFFERED FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION. ANY USE OF THESE DATA AND INFORMATION MUST BE DETERMINED BY THE USER TO BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

IF MORE INFORMATION IS NEEDED, PLEASE CONTACT:
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