

**Safety Data Sheet
W1011N
Air Box Cleaner**

Section 1 PRODUCT AND COMPANY IDENTIFICATION

Product Number: NAPA 4345, NAPA PS4345

Trade Name and Synonyms: NAPA Air Box Cleaner

Chemical Name and Synonyms: Ammonia-based Air Box Cleaner.

Chemical Family: Vehicle Air Box Cleaner

Product Use: Air box cleaner

Restrictions on use: Use only as directed

SDS Date of Preparation: May 26, 2015

Manufacturer

Wix Filtration Products Division, Affinia Group
PO Box 1967
Gastonia, NC 28053

Telephone Numbers

Product Information: (704) 869-3869
Emergency Phone: (800) 424-9300 Chemtrec

Section 2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not hazardous	Skin Corrosion Category 1A Eye Damage Category 1

Labeling:



Warning!

Hazard statement(s)

Causes severe skin burns and eye damage.

Precautionary statement(s)

Do not breathe vapors, mists or spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water.

Safety Data Sheet
W1011N
Air Box Cleaner

Wash contaminated clothing before reuse.
Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Ammonium Hydroxide	1336-21-6	<10%
Water	7732-18-5	>90%

The specific identity and/or exact concentration has been withheld as a trade secret.

Section 4. FIRST-AID MEASURES

Eye: Flush eyes with large quantities of water for at least 30 minutes. Get immediate medical attention.

Skin contact: Immediately flush with water for at least 20 minutes then wash with mild soap and water. Get immediate medical attention.

Inhalation: Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: If swallowed, do not induce vomiting. Rinse mouth with water and drink 1-2 glasses of water or milk to dilute. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

Most important symptoms/effects, acute and delayed: Corrosive. May cause severe eye and skin irritation or burns. Inhalation of mists may cause severe mucous membrane and respiratory irritation and pulmonary edema. Wallowing may cause burns to the mouth, throat and stomach.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for all routes of exposure.

Section 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use media that is appropriate for the surrounding fire.

Specific hazards arising from the chemical: Flammable vapors may accumulate in confined areas. Reacts with most metals to form flammable hydrogen gas.

Safety Data Sheet
W1011N
Air Box Cleaner

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers and structures with water. Use water spray to dissipate corrosive vapors.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Evacuate spill area and keep unprotected personnel away. Eliminate all ignition sources. Ventilate area. Wear appropriate protective clothing as described in Section 8.

Environmental hazards: Avoid release into the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Contain and collect using an inert absorbent material and place in appropriate containers for disposal. Small spills and residues may be neutralized with dilute acid such as acetic acid. Prevent spill from entering sewers and water courses.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Prevent contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Do not reuse containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated area away from heat, direct sunlight, and incompatible materials. Protect from physical damage.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Ammonia	25 ppm TWA, 35 ppm STEL ACGIH TLV 50 ppm TWA OSHA PEL
Water	None Established

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure concentrations below the exposure limits.

Personal Protective Equipment

Respiratory protection: For operations where exposures are excessive or irritation is experienced, a NIOSH approved respirator with ammonia/methylamine cartridges should be used. Respirator selection

Safety Data Sheet
W1011N
Air Box Cleaner

and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin protection: Wear impervious gloves such as butyl rubber or neoprene.

Eye protection: Chemical safety goggles and/or face shield should be worn where splashing is possible.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES
--

Appearance (physical state, color, etc.): Orange liquid.

Odor: Ammonia odor

Odor threshold: 17 ppm (ammonia)	pH: Not available
Melting point/freezing point: Not available	Boiling point/Range: 97°F (36°C)
Flash point: None	Evaporation rate: Not applicable
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: 16% (ammonia)	UEL: 25% (ammonia)
Vapor pressure: Not available	Vapor density: Not available
Relative density: Not available	Solubility(ies): Soluble in water
Partition coefficient: n-ctanol/water: Not applicable	Auto-ignition temperature: 1204°F (651°C)
Decomposition temperature: Not available	Viscosity: Not applicable

Section 10. STABILITY AND REACTIVITY

Reactivity: Reacts with metals.

Chemical stability: Stable.

Possibility of hazardous reactions: Reacts with most common metals to form flammable hydrogen gas.

Conditions to avoid: None known.

Incompatible materials: Avoid acids, acrolein, dimethyl sulfate, halogens, silver compounds, propylene oxide, nitromethane, oleum, beta-propionitrile, iodine, and most common metals.

Hazardous decomposition products: Thermal decomposition will generate ammonia and nitrogen oxides.

Section 11. TOXICOLOGICAL INFORMATION
--

Potential Health Effects:

Eye: Corrosive. Liquid or mists may cause severe irritation or burns with redness, tearing and stinging of the eyes. May cause permanent eye damage.

Skin: Liquid or mists may cause severe irritation or burns with redness and pain.

Inhalation: Inhalation of vapors and mists may cause irritation of the nose, throat, and upper respiratory tract. Severe exposures may cause pulmonary edema and death.

Ingestion: Ingestion may cause corrosion of the mucous membranes, esophagus and stomach with possible perforation and peritonitis. Ingestion of 3-4 mL may be fatal.

Chronic effects: None known.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Safety Data Sheet
W1011N
Air Box Cleaner

Carcinogenicity: None of the components are listed as carcinogens by IARC, NTP or OSHA.

Acute Toxicity Values:

Acute Toxicity Estimate: Oral LD50 3508 mg/kg

Ammonium Hydroxide: Oral rat LD50 350 mg/kg

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ammonium Hydroxide: 48 hr LC50 daphnia magna 101 mg/L

Persistence and degradability: Ammonium ion is rapidly converted to nitrate by nitrification under aerobic conditions in an aqueous environment.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

Section 13. DISPOSAL CONSIDERATIONS
--

Dispose in accordance with all local, state and federal regulations.

Section 14. TRANSPORT INFORMATION
--

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT (In containers <10,00 lbs)		Not Regulated			RQ 10,000 lbs
DOT (In containers >10,000 lbs)	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Ammonia), R	9	PGIII	RQ 10,000 lbs
TDG	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Ammonia)	9	PGIII	
IMDG	UN3082	Environmentally Hazardous Substance, Liquid, n.o.s. (Ammonia)	9	PGIII	

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

Safety Data Sheet
W1011N
Air Box Cleaner

CERCLA 103 Reportable Quantity: This product has a reportable quantity of 10,000 lbs based on <10% ammonia with an RQ of 1000 lbs. Many states have more stringent reporting requirements. Report releases as required by all federal, state and local authorities.

SARA TITLE III:

Hazard Category for Section 311/312: Acute health

SARA 313: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Ammonia Solutions (Ammonium Hydroxide)	1336-21-6	<10%
--	-----------	------

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

Canadian CEPA Status: All of the components are on the Canadian DSL

California Proposition 65: This product is not known to contain regulated chemicals.

Section 16. OTHER INFORMATION

NFPA Rating: Health = 3 Flammability = 1 Instability = 0
HMIS Rating: Health = 3 Flammability = 1 Physical Hazard = 0

SDS Revision History: Converted to GHS format – All sections revised

Date of preparation: May 26, 2015

Date of last revision: February 3, 2014

The information is believed to be accurate and represents the best information currently available to us. WE MAKE NO WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION. We assume no liability resulting from its use. Users should conduct their own investigations to determine the suitability of the information for their own particular application and purpose.

Safety Data Sheet
W1011N
Air Box Cleaner

Revision History

Product	Type	Chemical Name	
W1011	Air Box Cleaner	Ammonia-based Air Box Cleaner	
Revision	Description	Effective Date	Signed
A	Revised phone number	2/3/14	Carmen Reich
B	Added part number 4345	3/20/15	Carmen Reich
C	Converted to GHS format	5/26/15	Angela Rath