



## TECHNICAL DATA SHEET

Windshield Washer Shampoo

HT-AX-SLP-120 Page: 1/2

REV.: 01

### Application:

- Easily removes greasy and oily remains.
- Allows superior cleansing without stains or scratching
- Improves glass visibility and transparency.
- 

### Product Features

- An advanced formula brings superior cleansing
- Product contains biodegradable detergents.
- Pleasant citric aroma.

### Chemical Properties

Water, Iso-propanol; essential citric oils, emulsifiers; tenside-active anionics; degreasers, repellent/lubricants and pigments.

Appearance: Liquid

Color: Brilliant blue

Density: at 77 °C: 0.963 g/ml

pH: 1.8 – 2.8

Point of Flash: (CCCFP) ASTM D 6450: 104°F

Viscosity: at 59 °F < 10 cps

### Application Instructions

- Verify that windshield water container is clean.
- Pour Windshield Shampoo inside the windshield water container
- Dilute shampoo in water as suggested in the vehicle user manual
- Maximum suggested add one shampoo bottle to every 4 liters of water.
- Hard water may damage windshield conduits. We suggest the use of low sodium water.

### Warnings

Read instructions and follow them correctly

Keep container well sealed and out of reach of children.

Misuse of this product may cause physical or mechanical damage

Do not drink or sparkle over eyes or skin.

### First Aids:

- Irritant product.
- If accidental contact with eyes or skin occurs, wash thoroughly with clear water.
- If irritation persists, ask for medical assistance.
- If accidental ingestion may occur, allow patient 2 glasses of water. Do not incite vomit.
- If necessary, consult MSDS security sheets.

### Product Display

Bottle 120 mls.



# MATERIAL SAFETY DATA SHEET

## 1.- COMPANY AND PRODUCT IDENTIFICATION

---

**PRODUCT NAME:** WINDSHIELD WASHER  
**CAS NUMBER:** NOT APPLICABLE TO MIXTURES  
**PRODUCT DESCRIPTION:** CITRIC LIQUID WASHER  
**CONTACT ADDRESS:** *Artlux, S. A. de C. V.*  
ACCESO II CALLE 3 #5  
ZONA INDUSTRIAL BENITO JUÁREZ  
C. P. 76120, QUERÉTARO, QRO., MÉXICO  
**EMERGENCY PHONE NUMBER:** +52 (442) 217-16-95

## 2.- HAZARDOUS INGREDIENTS

---

Name	CAS Number	Percentage
Alkylbenzene sulphonic acid (C10-C16)	68584-22-5	> 5%
Sodium octanesulphonate	5324-84-5	> 3%
Sodium sulphonate	7757-82-6	> 1%
d-Limonene	68647-72-3	5 – 10 %
Isopropyl alcohol	67-63-0	> 15%
2-Butoxyetanol	111-76-2	> 15%

ONLY HAZARDOUS COMPONENTS ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 ARE MENTIONED.

## 3.- CHEMICAL AND PHYSICAL PROPERTIES

---

APPEARANCE	LIQUID
COLOR	CLEAR BLUE
SPECIFIC GRAVITY	0.963 g/ml
BOILING POINT	80 °C
FLASH POINT (CLOSED CUP)	40 °C
PH (undiluted)	2.3
PH (Diluted to Use) ( % Dilution)	7.0 1:25
KAURY-BUTANOL VALUE	N/A
ODOR	CITRIC
VISCOSITY @ 37.8 °C	< 10 cps
VAPOR DENSITY (AIR = 1)	N/D
VAPOR PRESSURE (mmHg)	N/D
EVAPORATION RATE	N/D
MELTING POINT	N/D
FREEZING POINT	0°C
AUTOIGNITION TEMPERATURE	N/D

WATER SOLUBILITY

SOLUBLE

## 4.- HEALTH HAZARD INFORMATION

### MAIN HAZARDS:

- CAN CAUSE EYE AND SKIN IRRITATION.

### HEALTH HAZARDS

EXPOSURE CAN OCCUR BY SKIN AND EYE CONTACT AND INGESTION.

### POTENTIAL HEALTH EFFECTS, SKIN

IT'S NOT EXPECTED THAT CONTACT WITH THIS MATERIAL MAY CAUSE SIGNIFICANT EFFECTS. PROLONGED OR REPEATED CONTACT WITH LARGE QUANTITIES MAY CAUSE IRRITATION.

### POTENTIAL HEALTH EFFECTS, EYE CONTACT

MAY CAUSE MILD EYE IRRITATION AND TEARING. PROLONGED OR REPEATED CONTACT WITH THIS MATERIAL MAY CAUSE REDNESS AND SWELLING.

### POTENTIAL HEALTH EFFECTS, INHALATION

IT'S NOT EXPECTED THAT INHALATION OF PRODUCT DURING NORMAL USE MAY CAUSE SIGNIFICANT EFFECTS.

### POTENTIAL HEALTH EFFECTS, INGESTION

IT'S NOT EXPECTED THAT INGESTION OF SMALL QUANTITIES MAY CAUSE DANGEROUS EFFECTS. INGESTION OF LARGER QUANTITIES MAY BE DANGEROUS.

## 5.- FIRST AID

---

**EYE CONTACT:** IMMEDIATELY WASH EYES WITH PLENTY WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

**SKIN CONTACT:** WASH SKIN WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

**INGESTION:** DO NOT INDUCE VOMITING. GIVE AT LEAST 3-4 GLASSES OF WATER. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSION PERSON. GET MEDICAL ATTENTION.

*NEVER GIVE ANYTHING IN THE MOUTH TO AN UNCONSCIOUS PERSON.*

## 6.- FIRE AND EXPLOSION INFORMATION

---

**FLASH POINT:** 40 °C

**FLAMMABILITY LIMITS IN AIR, LOWER, % BY VOLUME:** N/D

**FLAMMABILITY LIMITS IN AIR, UPPER, % BY VOLUME:** N/D

**EXTINGUISHING MEDIA:** ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL FOAM, WATER FOG.

**SPECIAL FIREFIGHTING PROCEDURES:** USE SELF-BREATHING APPARATUS.

**AUTOIGNITION TEMPERATURE:** NOT DETERMINED.

**EXPLOSION INFORMATION:** MATERIAL DOESN'T HAVE EXPLOSIVE PROPERTIES.

## **7.- ACCIDENTAL SPILLS OR LEAKS**

---

### **PROCEDURE IN CASE OF SPILLS OR LEAKS**

THE FOLLOWING STEPS SHOULD BE FOLLOWED IN CASE MATERIAL IS RELEASED OR SPILLED: PERSON NOT WEARING PROTECTIVE EQUIPMENT AND CLOTHING SHOULD BE RESTRICTED FROM CONTAMINATED AREAS UNTIL HAS BEEN COMPLETED.

1. DO NOT TOUCH THE SPILLED MATERIAL; STOP THE LEAK IF IT IS POSSIBLE TO DO SO WITHOUT RISK.
2. NOTIFY SAFETY PERSONNEL.
3. REMOVE ALL SOURCES OF HEAT AND IGNITION.
4. VENTILATE POTENTIALLY EXPLOSIVE ATMOSPHERES USING MAXIMALLY EXPLOSION-PROOF EQUIPMENT.
5. USE NONSPARKING TOOLS FOR CLEANUP.
6. WATER SPRAY MAY BE USED TO REDUCE VAPORS, BUT THE SPRAY MAY NOT PREVENT IGNITION IN CLOSED SPACES.
7. FOR SMALL LIQUID SPILLS, TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CLOSED CONTAINERS FOR LATER DISPOSAL.

FOR LARGE LIQUID SPILL, BUILD DIKES FAR AHEAD OF THE SPILL TO CONTAIN THE MATERIAL FOR LATER RECLAMATION OR DISPOSAL

### **DISPOSAL**

CARE MUST BE TAKEN WHEN USING OR DISPOSING OF CHEMICAL MATERIALS AND/OR THEIR CONTAINERS TO PREVENT ENVIRONMENTAL CONTAMINATION.

DISPOSAL CAN OCCUR ONLY IN PROPERLY PERMITTED FACILITIES. CHECK STATE AND LOCAL REGULATIONS FOR ANY ADDITIONAL REQUIREMENTS AS THESE MAY BE MORE RESTRICTIVE THAN FEDERAL LAWS AND REGULATIONS. CHEMICAL ADDITIONS, PROCESSING OR OTHERWISE ALTERING THIS MATERIAL MAY MAKE THE WASTE MANAGEMENT INFORMATION PRESENTED IN THIS MSDS INCOMPLETE, INACCURATE OR OTHERWISE INAPPROPRIATE. DISPOSAL OF THIS MATERIAL MUST BE CONDUCTED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

## **8.- HANDLING AND STORAGE**

---

VAPOR ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN TIGHTLY CLOSED AND PROPERLY LABELED CONTAINERS IN COOL, DRY ISOLATED, WELL-VENTILATED AREA AWAY FROM HEAT, SOURCES OF IGNITION AND INCOMPATIBLES.

THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH FLAMES, SPARKS, HEAT OR ELECTRICS ARCS CAN DECOMPOSE TO FORM COX , SOX , HYDROGEN CHLORIDE GAS AND TRACES OF PHOSGENE. AVOID CONTAMINATION OF WATER SUPPLIES. HANDLING, STORAGE AND USE PROCEDURES MUST BE CAREFULLY MONITORED TO AVOID SPILL OR LEAKS.

EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE WITHOUT ADEQUATE PRECAUTIONS. DO NOT USE CUTTING OR WELDING TORCHES ON DRUMS THAT CONTAINED THIS PRODUCT UNLESS PROPERLY PURGE AND CLEANED. GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIAL . USE SPARK-PROOF TOOLS AND EXPLOSION PROOF EQUIPMENT TO REDUCE THE POSSIBILITY OF STATIC SPARK-INITIATED FIRE OR EXPLOSION.

DO NOT EAT, DRINK OR SMOKE IN AREAS OF USE OR STORE.

## **9.- EXPOSURE CONTROL/PERSONAL PROTECTION**

---

**VENTILATION:** USE LOCAL VENTILATION.

**SKIN PROTECTION:** NOT NECESSARY UNDER NORMAL USE.

**EYE PROTECTION:** NOT NECESSARY UNDER NORMAL USE.  
**RESPIRATORY PROTECTION:** NOT NECESSARY UNDER NORMAL USE.

## **10.- REACTIVITY AND STABILITY**

---

**STABILITY:** THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.  
**INCOMPATIBILITY:** AVOID CONTACT WITH STRONG OXIDIZING AGENTS.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A.

## **11.- TOXICITY INFORMATION**

---

### ISOPROPYL ALCOHOL

LD(50) : Oral Rat 5,045 mg/kg  
LC(50): Inhalation Rat, 12,000 ppm (8 hours)  
LD(50): Rabbit skin, 12,800 mg/kg.

### D-LIMONENE

LD(50): Rabbit skin, >5 g/kg  
LD(50): oral Rat, 5g/kg  
Eyes rabbit, irritant

### BUTOXYETHANOL

LC(50): Inhalation Rat, 450 ppm (4 horas)  
LD(50): Oral Rat, 530 mg/kg  
LD(50): Pig Skin, 230 mg/Kg

### SODIUM SULFONATE

LD(50): oral Rat, 5989 mg/Kg

## **12.- EXPOSURE LIMITS**

---

### ISOPROPYL ALCOHOL

ACGIH 500 PPM (STEL)  
ACGIH 400 PPM (TWA)  
NIOSH 400 PPM (TWA)  
NIOSH 500 PPM (STEL)  
MUCOUS MEMBRANE IRRITATION

### BUTOXYETHANOL

OSHA (PEL) 50PPM-8 H, SKIN (TWA)  
ACGIH(TLV) 20 PPM (TWA)

ALKYL BENZENE SULPHONIC ACID (C10-C16)  
NOT DETERMINED

SODIUM OCTANESULPHONATE  
NO DETERMINED

SODIUM SULFONATE  
NOT DETERMINED

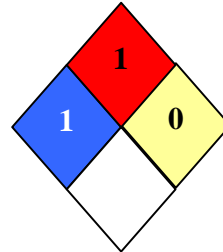
D-LIMONENE  
NOT DETERMINED

TWA : Time Weighted Average  
STEL : Short Term Exposure Limit  
OSHA: Occupational Safety & Health Administration  
NIOSH: National Institute for Occupational Safety and Health  
ACGIH: The American Conference of Governmental Industrial Hygienists

### 13.- SIGNAL AND LABEL INFORMATION

---

NFPA CODE: HEALTH: 1; FIRE: 0; REACTIVITY: 0.  
HMIS CODE: HEALTH: 1; FIRE: 0; REACTIVITY: 0.



#### PRECAUTION LABELS

#### DANGER

- MAY CAUSE MILD EYE IRRITATION.
- MAY CAUSE SKIN IRRITATION.
- FLAMMABLE
- HARMFUL BY INHALATION, IN CONTACT WITH THE SKIN AND IF SWALLOWED.
- IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

### 14.- SHIPPING INFORMATION

---

#### U.S. Department of Transportation (DOT) 49 – CFR 172 General Transportation Information for Shipments

Shipping name: Flammable liquid, n.o.s. (Consumer Commodity, ORM-D may be used for ground transportation within the USA)  
UN Number: 1993  
Class/Division: 3  
Packing Group (PG): III  
Label: FLAMMABLE LIQUID  
CONTENTS UNDER PRESSURE

### 15.- ADDITIONAL INFORMATION

---

THE INFORMATION PRESENTED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE TO THE DATE OF PREPARATION OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER, A MSDS MAY NOT BE USED AS A COMMERCIAL SPECIFICATION SHEET OF MANUFACTURER OR SELLER, AND NO WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY OR COMPREHENSIVENESS OF THE FOREGOING DATA AND SAFETY INFORMATION, NOR IS ANY AUTHORIZATION GIVEN OR IMPLIED TO PRACTICE ANYA PATENTED INVENTION WITHOUT AL ICENSE.

Last revision: January 2008