



MATERIAL SAFETY DATA SHEET

Revision Date: 26/02/2013
Date Issued: 26/02/2013

ADVANCE® 801

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: ADVANCE® 801
PRODUCT CLASS: STYRENE-ACRILIC
CHEMICAL FAMILY: COPOLYMER
HEALTH: DANGEROUS

INFORMATION ON

MANUFACTURER/SUPPLIER: EL NERVION S.A DE C.V.
ALDAMA # 5, SAN. JERÓNIMO TEPETLACALCO,
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II. COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	COMPONENTS	CAS NUMBER	CONCENTRATION [%]
01	STYRENE-ACRYLIC COPOLYMER RESIN	CONFIDENCIAL	48.06
02	ETHYLENE GLYCOL BUTYL ETHER MONO	111-76-2	5.00
03	BLACK PASTA COLANYL	N/D	0.50
04	AMMONIA	13621-6	0.15
05	ETHYL ALCOHOL	64-17-5	10.00
06	TITANIUM DIOXIDE	13463-67	10.00
07	NONREACTIVE PLASTICIER	84-74-2	1.50
08	HYDROUS MAGNESIUM SILICATE	14807-96-6	10.00
09	WATER	7789-20-0	15.00
10	DEFOAMER	N/D	0.04
11	WIDE RANGE BIOCIDES	26172-55-4	0.1
12	DISPERSANT	N/D	1.0

III. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form: liquid
Colour: Pigmented
Odour: Characteristic, alightly ammoniacal
Water solubility: Partially soluble



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pH: Not applicable

Potential health effects

OVER-EXPOSURE (prolonged or repeated use): CAN AGGRAVATE OR ACCENTUATE ANY OF THESE EFFECTS.

SKIN (CONTACT AND ABSORPTION): Irritant. May cause drying and irritation of the skin, prolonged and repeated exposure can cause dermatitis.

INHALATION: Irritant. Excessive exposure to vapors or mist is irritating to the respiratory tract.

EYE CONTACT: Irritant. May cause severe eye irritation.

INGESTION: gastrointestinal irritation may occur, you should not induce vomiting and provide immediate medical attention.

PRIMARY ROUTE (S) OF ENTRY: Skin contact, Inhalation, Contact, Ingestion, Eyes.

IV. FIRST AID MEASURES

GENERAL ADVICE

Consult a physician. If breathing has stopped or is labored, give assisted respiration. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Inhalation

If inhalation of mist or spray, take the affected person and take it to a cool place immediately. Appearance of any inconvenience include severe irritation of the mucus lining of the (nose, throat and eyes), sneezing, coughing and tears flow. In case of persistent discomfort, seek medical attention immediately.

Skin Contact

Immediately remove contaminated clothing, and any chemical odd if possible to do so without delay. Wash immediately with plenty of soap and water for at least 20 minutes. Cover wound with sterile gauze. Remove contaminated clothing and shoes.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, or if necessary with an eyewash solution. If you have persistent discomfort, consult an ophthalmologist.

Ingestion

Never give anything to drink to an unconscious person. Malaise If medical attention immediately. **Do not induce vomiting.** If the person vomit and is lying on her back, will be placed in the recovery position, prevent aspiration of vomit, turn the victim's head



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to the side. If the person is conscious, give to drink two to three glasses of water to dilute material in stomach.

V. FIRE-FIGHTING MEASURES

FLASH POINT: **Not determined**
LOWER EXPLOSIVE LIMIT: **Not applicable**
UPPER EXPLOSIVE LIMIT: **Not applicable**
AUTOIGNITION TEMPERATURE: **not applicable**

SUITABLE EXTINGUISHING MEDIA: alcohol resistant foam, carbon dioxide, dry chemical, water fog (water spray for large fires), dry sand, limestone powder.

SPECIFIC HAZARDS DURING FIRE FIGHTING: none.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS: Not applicable.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: As in any fire, wear positive pressure apparatus and respirator (MSHA / NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide, carbon dioxide.

VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area, remove sources of spark or flame, and remove with inert absorbent.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- **SMALL SPILL:** ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.
- **LARGE SPILL:** ELIMINATE ALL IGNITION SOURCES. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID WAY BE TAKEN UP ON SAND CLAY, EARTH, FLOOR ABSORBENT AND SHOVEL INTO CONTAINERS. PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER, BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED THAT A SPILL HAS OCCURRED.

WASTE DISPOSAL METHOD:

- **SMALL SPILL:** ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPOURS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.



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• **LARGE SPILLS:** DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT WAY DEPOSITED IN LANDFILL IN ACCORDANCE WITH LOCAL STATE AND FEDERAL REGULATIONS.

VII. HANDLING AND STORAGE

HANDLING

General Procedures Handling

Tips for safe handling: Wear respiratory protection when applying for spray.
 Ensure adequate ventilation. Use only in well ventilated areas.

 Avoid contact with eyes.
 When using material NOT EAT, DRINK OR SMOKE.

STORAGE

Requirements for storage areas and containers.

Keep containers tightly closed in a cool, dry, well-ventilated area.

Life:

12 months @ 77°F (25°C): After the date of manufacture.

Additional Information:

Keep sealed in its original packaging, do not store in reactive metal containers.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Provide for good ventilation if vapours/aerosol are formed.

Personal protective equipment

General protective measures: Avoid contact with eyes and skin.

Hygiene measures: No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift or using the toilet.

Respiratory protection: Wear appropriate respirator when ventilation is inadequate. In case of formation of vapors/aerosols: respiratory protective equipment, cartridge for organic gases and vapors.

Hand protection: Gloves made of butyl (IIR)
 Neoprene gloves



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The breakthrough time of the selected glove(s) must be greater than the intended use period.

Eye protection: Chemical resistant goggles must be worn.

Protective clothing: Light protective clothing is required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid
Colour: pigmented
Odour: Characteristic, alightly ammoniacal
Water solubility: Partially soluble
pH: Not applicable
Melting temperature: Not determined
Boiling temperature: Not determined
Vapour pressure: Not determined
Flash point: Not determined
Density: 1.0000 - 1.3000 g/cm³
Viscosity: 15.00 - 40.00 sec (Ford Cup #4)

X. STABILITY AND REACTIVITY

Thermal decomposition: Not determined

Hazardous reactions: No hazardous reactios known if handled and stored properly the material.

Hazardous Polymerization: Not

Stability: This product is stable under normal conditions storage.

Hazardous decomposition products (BY FIRE, BURN OR WELDING): Carbon dioxide (CO₂), carbon monoxide (CO).

Materials to avoid: none

Conditions to Avoid: Not applicable

XI. TOXICOLOGICAL INFORMATION

LD50 (ACUTE ORAL TOX): No data available for this product.
LC50 (ACUTE INHALATION TOX): No data available for this product.
EFFECTS OF CHRONIC EXPOSURE: No data available for this product.
CARCINOGENICITY: No data available for this product.



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REPRODUCTIVE TOXICITY: No data available for this product.
TERATOGENICITY: No data available for this product.
MUTAGENICITY: No data available for this product.

XII. ECOLOGICAL INFORMATION

No ecotoxicological studies are available. The product is considered a water pollutant. Do not allow to enter the soil, water or sewage. According to the provisions of the Ministry of Environment and Natural Resources in air, water, soil and waste.

XIII. DISPOSAL CONSIDERATIONS

The arrangement shall be in accordance with federal environmental control laws, state and local existents. Incineration is the preferred method.

Provision of products and requirements for disposal: In accordance with local standards.

Contaminated Packaging: Empty containers with product residues; observe all precautions for the product. Containers / packaging can be emptied for recycling.

XIV. TRANSPORT INFORMATION

Regard to transport general communication pathways land and related support services in relation to the regulations for the inland transport of hazardous materials and wastes, the Secretariat of Communications and Transport:

DOT

Shipping name:	Advance® 801
Class:	Not considered hazardous for transport purposes (1)
UN NUMBER/No. ID:	Not applicable
Packing Group:	Not applicable

Further information: No hazardous

IATA

Shipping name:	Advance® 801
Class:	Not considered hazardous for transport purposes (1)
UN NUMBER/No. ID:	Not applicable
Packing Group:	Not applicable



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Further information: No hazardous

IMDG

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Class: Not considered hazardous for transport purposes (1)
UN NUMBER/No. ID: Not applicable
Packing Group: Not applicable

Further information: No hazardous

TDG

Shipping name: Advance® 801
Class: Not considered hazardous for transport purposes (1)
UN NUMBER/No. ID: Not applicable
Packing Group: Not applicable

Further information: No hazardous

(1)NOM-002-SCT-2003 Column 5 "Special Provisions", warning that paints are not considered within class 3 (flammable liquid) or class 8 (corrosive), are not subject to the provisions for the Transport of Materials and Wastes.

XV. REGULATORY INFORMATION

Federal regulations of the United States

Standard Classification Hazard Communication OSHA: **Not applicable**

XVI. OTHER INFORMATION

HMIS RATINGS

HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 0

NFPA RATING

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0

0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme

0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme
* = Chronic Hazard for



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Health.

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

<END OF MSDS>