



SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

Product name: APSA-80™ All Purpose Spray Adjuvant Concentrate

Product code: 603562, 603563, E-9268, E-9267

Recommended use: Adjuvant for agricultural applications

Distributed by: **Product information:**

Access Business Group International LLC Amway Corp. (58C-2A)
7575 Fulton Street East 7575 Fulton Street East
Ada, Michigan 49355 Ada, Michigan 49355
Information #: 1-800-253-6500

**For Poisoning Emergencies call Access Business Group's poison control service in the United States at 1-616-787-6307
(This is a 24-hour number.)**

2. HAZARDS IDENTIFICATION

Most important hazards: This product is hazardous according to the criteria of the OSHA Hazard Communication Standard.

Irritating to respiratory system.
Irritating to eyes.
Harmful if swallowed.
Combustible

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Common Name	Weight %	CAS #
Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.- hydroxy-	Surfactant	60-100	9016-45-9
1-Butanol	Alcohol	10-30	71-36-3
Fatty acids, tall-oil	Fatty acid	1-5	61790-12-3

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.

Skin contact: Remove contaminated clothing. Rinse skin thoroughly with water. Get medical advice by calling a poison control center, doctor or hospital emergency room. Launder contaminated clothing before reuse.

Eye contact: Remove contact lenses. Rinse with gentle stream of water for 15 minutes, holding eyelids open. Get medical advice by calling a poison control center, doctor or hospital emergency room.

Ingestion: If victim is a child, give 4-8 ounces of water. For adults, give 8-12 ounces of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling a poison control center, doctor or hospital emergency room.

5. FIRE FIGHTING MEASURES

NFPA rating: Health 2, flammability 2, reactivity 0

(The NFPA hazard rating system is intended to provide basic information to fire fighting, emergency, and other personnel, enabling them to easily decide whether to evacuate the area or to commence emergency control procedures. It is not applicable to transportation or use by the general public and is not intended to address occupational exposures.)

Suitable extinguishing media: Use extinguishing media suitable for surrounding materials.

Specific Hazards: No special exposure hazards are known.

Special protective equipment for firefighters: Use standard fire-fighting protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Remove all sources of ignition. Wear appropriate personal protection equipment (respirator, gloves, goggles, and/or faceshield, boots, protective clothing).

Environmental precautions: Prevent further leakage or spillage.

Methods for cleaning up: No special collection methods required.

7. HANDLING AND STORAGE

Handling: No special technical protective measures required. Special handling procedures are not normally necessary.

Storage: No special storage conditions required. No special restrictions on storage with other products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Mechanical ventilation is not normally necessary when this product is used according to label directions.

Respiratory protection: Follow label directions. Do not inhale aerosol. Respiratory protective equipment is not normally necessary when this product is used according to label directions.

Hand protection: Follow label directions. Prevent skin contact by using protective gloves appropriate for the hazard presented by this substance.

Skin and body protection: Follow label directions. Prevent skin contact by using protective clothing appropriate for the hazard presented by this substance.

Eye protection: Follow label directions. Prevent eye contact by using protective eye wear appropriate for conditions of use.

Chemical Name	ACGIH TWA	ACGIH STEL	ACGIH CEILING	ACGIH - Skin Absorption Designation
1-Butanol	20 ppm			

Chemical Name	OSHA TWA	OSHA-Table Z-3 Mineral Dust	OSHA CEILING	OSHA - Skin Notations
1-Butanol	100 ppm 300 mg/m ³			

General industrial hygiene practice: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid
Color: clear , light yellow
Odor: pungent , solvent
pH: 6,5 - 8,0
Relative density: 1,010 - 1,030
Flash Point (F): 125
Flash Point (C): 52
Flashpoint Test Method: Tag (Tagliabue) Closed Cup Tester

10. STABILITY AND REACTIVITY

Stability: This product is stable.

Conditions to avoid: No conditions are known which would initiate a dangerous reaction.

Materials to avoid: Contact with highly reactive chemicals like strong acids, strong bases, oxidizers or reducing agents may cause a dangerous reaction.

Hazardous decomposition products: Not determined

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure: Eye contact , skin contact, inhalation

Aggravated medical conditions: Exposure to this product may aggravate pre-existing skin, eye, and respiratory disorders.

Inhalation: Inhalation can cause irritation of the upper respiratory tract.

Skin contact: This product is not classified as a skin irritant. Prolonged or repeated skin contact with this product can cause skin irritation.

- Eye contact:** Contact with this product can cause moderate to severe eye irritation.
- Ingestion:** Ingestion of this product can cause irritation of the mouth and throat, upset stomach, nausea, vomiting and diarrhea.
- Further information:** Inhalation overexposure to n-butyl alcohol vapors and mists may cause headache, nausea, dizziness, drowsiness. Experimental animals exposed to n-butyl alcohol vapors experienced blood, kidney and liver effects. Similar effects in humans exposed to concentrations below the permissible exposure limit have not been noted. n-Butyl alcohol is skin absorbed. Dermal overexposure may result in the effects previously mentioned.

12. ECOLOGICAL INFORMATION

- Environmental Classification:** This product is not classified as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

- Waste from residues / unused products:** Dispose of in accordance with local regulations.
- Empty containers:** Do not re-use empty containers. Only empty packaging can be recycled.

14. TRANSPORT INFORMATION

Not regulated for road, rail, or air transport in the U.S.
Regulated as a marine pollutant for water transport.

DOT:

For product 5L and less:

UN/ID No.: not applicable

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

Packing Group: not applicable

For product over 5L:

UN/ID No: UN3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (alcohol C13-15 poly (1-6) ethoxylate)

Hazard Class: 9

Packing Group: III

UN/ID No.: Not applicable

Proper shipping name: Not applicable

Hazard class: Not applicable

Packing group: Not applicable

IMDG/ADR:

UN/ID No.: UN3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (alcohol C13-15 poly (1-6) ethoxylate)

Hazard class: 9

Packing group: III

ICAO/IATA:

UN/ID No.: not applicable

Proper shipping name: not applicable
Hazard class: not applicable
Packing group: Not applicable

The information contained in this document is subject to change or update due to changing government regulations. The user of this document assumes responsibility for complying with all applicable national and international laws and regulations regarding the shipment of Dangerous Goods.

15. REGULATORY INFORMATION

EPA RCRA Hazardous Waste Classification: D001

Chemical Name	EPRCA (SARA title III) Section 313:
1-Butanol	1.0 % de minimis concentration

16. OTHER INFORMATION

The information contained herein is believed to be accurate and represents the best information currently available to us, much of which comes from the manufacturer or supplier of components of this product. Therefore, Access Business Group LLC makes no warranty, express or implied, regarding the accuracy of the data. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to make certain that this MSDS is the most current MSDS for the product; to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations. If there are any questions concerning the information contained in this sheet or its applicability to a particular use, the user is instructed to telephone 1-800-253-6500. Access Business Group LLC assumes no responsibility for injury from the use of the product described in this sheet in a way different from that provided in the label directions.

Prepared by: Access Business Group LLC, Environmental, Health and Safety Department, Ada, Michigan, U.S.A.

This data sheet contains changes from the previous version in section(s): 1, 8

*****END OF SAFETY DATA SHEET*****