A-300
MATERIAL SAFETY DATA SHEET

I – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: **A-300**
Chemical Family: Anionic Polyacrylamide Copolymer in Water-in-Oil Emulsion
Molecular Formula: Mixture

Manufactured for: **CHARTER CHEMICAL, INC.**
P.O. Box 450412
Atlanta, GA 31145
Tel: **770/466-1035** **24-hr. EMERGENCY TELEPHONE:**
Chemtrec 800/424-9300

II – COMPOSITION/ INFORMATION ON INGREDIENTS

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

This product is hazardous as defined in 29 CFR1910.1200, based on the following compositional information:

Chemical Name	Wt.	CAS#
Anionic Coploymer of Acrylamide & Sodium Acrylate		25085-02-3
Petroleum Distillate		64742-47-8
Ammonium Chloride	<2	

Components with Exposure Limits:

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m3	ppm	mg/m3	ppm	mg/m3
Petroleum Distillate	TWA	-	-	-	-	300(1)	-
	STEL	-	-	-	-	-	-
Ammonium Chloride	TWA	-	10	-	10	-	-
	STEL	-	20	-	20	-	-

OSHA Table Comments:
1. Based on hydrocarbon content.

COMMENTS:
Ammonium chloride values are for "fumes." Fumes are not an expected source of exposure in normal industrial use, but may be formed during combustion.

The OSHA recommended permissible exposure level(s) indicated above reflect the level(s) revised in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, we recommend that the lower exposure levels be observed as reasonable worker protection.

III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW - Physical Appearance: Opaque, off-white emulsion.

IMMEDIATE CONCERNS - **CAUTION!** May cause eye & skin irritation. Mist may be harmful in inhaled.

III cont'd.

POTENTIAL HEALTH EFFECTS –

EYES: Irritating, but does not injure eye tissue.

SKIN: Low order of toxicity. Irritating.

INGESTION: Low order of toxicity. Small amount of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

INHALATION: Irritating to eyes & respiratory tract in high concentrations. Repeated & Prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

CANCER STATEMENT: This product (or any component at a concentration of 0.1% or greater) is not listed by the NTP, ARC, OSHA or EPA as a carcinogen.

IV – FIRST AID MEASURES

EYES:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN:

Wash with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse. If irritation persists, seek medical attention.

INGESTION:

First Aid is normally not required. If spontaneous vomiting occurs, keep head below hips to prevent aspiration, monitor for breathing difficulty. If symptoms develop, get prompt medical attention.

INHALATION:

In Case of adverse exposure to vapors and/or aerosois, immediately remove the affected victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

V – FIRE FIGHTING MEASURES

FLASHPOINT & METHOD: >200°F SETA Flash CC

FLAMMABLE LIMITS: 1.3 to 8.1% @ 77F (petroleum distillate).

AUTOIGNITION TEMPERATURE: Not available.

HAZARDOUS COMBUSTION PRODUCTS: None known.

FIRE FIGHTING PROCEDURES: Use water to cool fire-exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

VI – ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL:

Prevent additional discharge of material if possible to do so, without hazard. If possible, try to contain and recover floating material.

LAND SPILL:

Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement cleanup procedures; for large spills implement cleanup procedures and if in public area, advise authorities.

VI cont'd.

GENERAL PROCEDURES:

Spilled product should be scooped up as much as possible and the remaining thin layer absorbed with a solid material such as sweeping compound. Washing the area with water should only be attempted after most of the polymer has been removed.

RELEASE NOTES:

If spill was into water, it may require reporting to the National Response Center, see Section 15, Clean Water Act. Recycle or dispose of recovered material in accordance with all federal, state and local regulations.

COMMENTS:

Spilled material is slippery. Contact with water may form a highly viscous and stringy material which is extremely slippery, difficult to clean up, and can clog small drains.

VII – HANDLING & STORAGE

GENERAL PROCEDURES:

Keep container closed. Both open and handle containers with care. Store in a cool, well-ventilated place away from incompatible materials. Do NOT reuse empty containers without commercial cleaning or reconditioning.

HANDLING:

Mix well before using. Upon standing, product may stratify (as noted by a clear upper layer of oil). Mild agitation will restore uniformity.

STORAGE:

Do not use aluminum, copper or mild steel tanks, pumps or piping with this product. Store in glass, stainless steel, plastic or epoxy-lined containers.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Ventilation should be provided to control worker exposures and prevent health risk; and as necessary to reduce, prevent and control aerosol generation.

PERSONAL PROTECTION

EYES & FACE: Safety glasses with side shields.

SKIN: Where contact may occur, wear chemical-resistant gloves and long sleeves.

RESPIRATORY: Where concentrations in air may exceed the limits given in this section or Section 2 and engineering, work practice or other means of exposure reduction are not adequate. NIOSH/MSHA approved respirators may be necessary to prevent over-exposure by inhalation.

OTHER USE PRECAUTIONS: Safety shower & eyewash station are recommended in area of use.

IX – PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid ODOR: Slight hydrocarbon odor.

VAPOR PRESSURE: <10 mm Hg at 77°F VAPOR DENSITY: >1 (Air=1)

BOILING POINT: 212°F (initial) FREEZING POINT: <20°F

EVAPORATION RATE: <1 (n-Butyl Acetate=1)

DENSITY: 8.8 to 9.0 #/gal at 80°F SPECIFIC GRAVITY: 1.06 to 1.08 at 80°F

VISCOSITY: 40 TO 800cP at 80°F, Brookfield RVT (sp#3 @50 rpm)

COMMENTS:

WATER SOLUBILITY: Soluble with vigorous agitation. Contact with water at a product content greater than approximately 2% (without vigorous agitation) results in a highly viscous and stringy material which is extremely slippery, difficult to clean up, and can clog small drains.

X – STABILITY & REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION: None

INCOMPATIBLE MATERIALS: Strong Oxidizing agents.

XI – TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Primary eye irritation index, rabbit: 10.7/110 (mildly irritating), with conjunctival irritation clearing by day four. Test material was similar to that represented by this MSDS.

SKIN EFFECTS:

Primary dermal irritation indes, rabbit: 2.5/8 (moderately irritating). Test material was similar to that represented by this MSDS.

TARGET ORGANS:

At high oral doses, the petroleum distillate used in this product cause reversible damage to the liver and kidney (male only) of rats. These effects are not revelant to humans at occupational levels of exposure.

XII – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

48-Hour Static Acute Daphnia magna Toxitity Test: LC50= 7.1 ppm
48-Hour Static Acute Mysidopsis bahia Toxicity Test: LC50= 14.7 mg/L
96-Hour Static Acute Pimephales promelas Toxicity Test: LC5= 35 ppm

XIII – DISPOSAL CONSIDERATIONS

EMPTY CONTAINER:

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

RCRA/EPA WASTE INFORMATION:

Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

GENERAL COMMENTS:

Ensure compliance with local, state and Federal regulations in disposing of this container, residual contents, or rinsing.

XIV – TRANSPORT INFORMATION

This product is not DOT regulated.

XV – REGULATORY INFORMATION

UNITED STATES

SARA TITLE III

FIRE: No. PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No.

311/312 HAZARD CATAGORIES: Acute Healty.

313 REPORTABLE INGREDIENTS: This product does not contain Section 313 Reportable Ingredients.

CERCLA REGULATORY: If the reportable quantity of this product is accidentally spilled, the Incident is subject to the provisions of the CERCLA and must be reported to the National Response Center by calling 800-424-8802.

REPORTABLE SPILL QUANTITY: >200,000 LB.

EPA RQ INGREDIENT: Ammonium Chloride

TSCA STATUS: Components of this product are listed on the TSCA inventory.

XV cont'd.

RCRA STATUS: Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

CLEAN WATER ACT: This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

CANADA

CANADA INGREDIENT DISCLOSURE LIST:
This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

XVI – OTHER INFORMATION

Approval Date: 12/22/99

HMIS CODES

HEALTH: 1 FIRE: 1 REACTIVITY: 0

HMIS RATINGS NOTES:

This information is for people trained in the National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS).
Key: 4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal

MANUFACTURER DISCLAIMER:

NOTICE: We believe that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, These suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

11/15/2001