



AS-2120

**TYPE: CATIONIC COAGULANT
NSF CERTIFIED**

DESCRIPTION

AS-2120 is a high charge medium molecular weight, poly DADMAC which is supplied as a low viscosity liquid. **AS-2120** performs over the pH range of 4.5 to 12.0. In gravity settling, **AS-2120** improves floc formation yielding larger floc size, faster settling rates and cleaner effluents.

AS-2120 is effective in dewatering a wide range of industrial and municipal sludges. The emulsion breaking properties make it an excellent choice in many industrial oil separation treatment applications.

TYPICAL PROPERTIES

Appearance	Clear to Light Amber Liquid; Mild Odor
Density	8.67 Lbs./Gallon
Specific Gravity	1.04 +/- 0.02 g/ml
Viscosity (Spindle #2)	600 to 900 CPS
pH	5.00 - 7.00
Freeze Point	20°F (-6.6°C)

HEALTH AND SAFETY INFORMATION

As with any chemical, the operator should be completely familiar with the safe handling of **AS-2120** before it is used. The **Material Safety Data Sheet** should be read and understood before **AS-2120** is used.

AS-2120 was not toxic by ingestion or by skin contact in animal tests. This product was neither irritating nor sensitizing to human subjects in repeat-insult patch testing.

NSF INTERNATIONAL STATUS

AS-2120 coagulant is certified to ANSI/NSF Standard 60 by NSF for use in potable water to a maximum concentration of 50 mg/L

ADVANTAGES

- ◆ Easy to apply, pourable liquid which simplifies dilution, feed, and handling operations.
- ◆ Economical to use and effective at low dosage levels. Added savings can be realized in bulk deliveries.
- ◆ Effective over a wide pH range and eliminates the need for post-treatment pH adjustments.
- ◆ Effective in chlorinated waters.
- ◆ Eliminates alum or ferric muds when used as a primary coagulant.
- ◆ Forms a low volume, compact, high solids sludge for easy disposal.
- ◆ Less blowdown of sludge is required resulting in more usable water and increased effective throughput.
- ◆ Effective in clarification of low turbidity, high color waters.

APPLICATION

AS-2120 is effective in many liquid/solids and oil/water separation processes.

The application of **AS-2120** has eliminated the requirements of other coagulants in industrial and municipal clarification. In many cases reducing sludge volume and disposal costs. **AS-2120** has shown to be very effective in water clarification where improved effluent quality is needed by reducing suspended solids and turbidity.

In Air flotation **AS-2120** results in clearer underflows and greater throughput.

When used in Filtration **AS-2120** improves filtered water quality and plant throughputs.

06/07



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CONTROL AND FEEDING

AS-2120 should be metered to the system continuously using a corrosion resistant, positive-displacement pump. Best results are obtained by dispersing feed stream & promoting high turbulence for rapid mixing beyond the addition point.

Application dosage may vary, but your Applied Specialties, Inc. Technical Engineer will assist you with an on-site test to determine what is optimum for your system. Your ASI engineer will also assist you in identifying the best application point and assist in sizing and selecting any necessary feed or control equipment.

GENERAL TREATMENT LEVELS

- ◆ Raw Water Clarification 1-20 mg/l
- ◆ Waste Water Treatment 1-40 mg/l
- ◆ Oily Wastes 5-100 mg/l

HANDLING AND STORAGE

When handling any chemical, proper care and good housekeeping should be exercised. Spills of **AS-2120** are slippery and should be cleaned up immediately. Consult the Material Safety Data Sheet for specific spill reporting, clean up and disposal procedures.

Storage in glass, stainless steel, plastic or epoxy-lined vessels is recommended. Do not use aluminum, copper or iron in feed or storage systems.

If **AS-2120** freezes during shipment or storage, it may be thawed and used after agitation to insure homogeneity.

Store in a dry place. Keep drum tightly closed. The shelf life of **AS-2120** is at least 12 months. All products should be rotated to avoid excessive storage time.

PACKAGING

AS-2120 is available in 30 and 55 gallon non-returnable drums as well as 275 and 330 gallon non-returnable tote tanks and 300 gallon returnable tote tanks. **AS-2120** is also available in bulk tank trucks. For information on all delivery systems, contact your ASI Representative.

DOT INFORMATION

Proper Shipping Name: **RESIN COMPOUND, NON - REGULATED LIQUID POLYMER**

Hazard Class: na
UN Number: na
Packaging Group: na
Labeling Required: **None**
DOT RQ : na
NMFC : **46030**

IMPORTANT NOTICE

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.** Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.