
TECHNICAL DATA SHEET

Bulletin No. 50-55c

AC-8015

LOW TEMPERATURE, LIQUID ACIDIC CLEANER

GENERAL DESCRIPTION

Calgon's **AC-8015** is a proprietary blend of acids, detergents, penetrants, and chelating agents targeted at the efficient removal of a wide spectrum of soils from all metals, plastics, rubber, etc. Especially effective for removing metal oxides, light rust, and mill scales, it is also excellent for precleaning recirculating spray washers. **AC-8015** contains a solvent for the rapid and complete removal of light to moderately heavy greases and oils and its high chelating capacity makes it an outstanding cleaner where welding smut must be removed to facilitate good paint adhesion.

PHYSICAL PROPERTIES

Form	Light yellow/clear liquid
Odor	Slightly Solvent
Specific Gravity	1.32
Pounds/Gal.	11.01
pH (1% Solution)	<2.0
Solubility	Complete
Cloud Point - 1% Solution	75-85°F
Foam	Low
Flash Point	None

DIRECTIONS FOR USE

AC-8015 is designed to be low foaming at temperatures above 80°F. Operating temperatures range from ambient to boiling. For exceptionally heavy soils, the higher temperatures may be required. For use in a recirculation spray washer, temperatures above 80°F should be maintained. Normal operating concentrations of **AC-8015** run from 1% to 100% by volume and depend on temperatures, soil loads, and cleaning equipment used. Your Calgon representative will help you establish the optimum operating criteria for your application. **AC-8015** should be titrated at least once per shift and additions should be made to maintain prescribed solution strength.

TITRATION

Use Test Kit K-0199 and one small vial (10 cc) sample with Indicator A and Alkali 1.

<u>Concentration Ounces/Gallon</u>	<u>Drops of Alkali 1</u>
0.5	9
1.0	18
1.5	26
2.0	35
2.5	43
3.0	51
3.5	59
4.0	68

SERVICE

Routine

Service is one of the most important insurances for consistent quality performance of your operation. A Calgon Customer Specialist will tailor a service program for your facility that will provide effective and trouble-free operations.

Technical Support

Calgon is pleased to provide a completely staffed and equipped Technical Service Laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. Your Calgon Customer Specialist will provide you with details on how this service can benefit your particular situation.

Product ID# 1061

Rev. 6/97

The information and recommendations contained in this document are presented in good faith and believed to be reliable, but shall not be part of the terms and conditions of sale of any Calgon product. Because many factors affect product application and performance, each Calgon customer must determine for itself, by conducting appropriate tests or other methods, whether a Calgon product is suitable for that customer's needs. CALGON MAKES NO WRITTEN, ORAL, EXPRESSED OR IMPLIED WARRANTY REGARDING THE CALGON PRODUCTS DESCRIBED HEREIN, THE RESULTS TO BE OBTAINED FROM THEIR USE, OR THE ACCURACY OR USE OF THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN. CALGON SPECIFICALLY DISCLAIMS THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product. For additional information regarding incidents involving human and environmental exposure, call (800) 955-0090 and ask for the Health & Environmental Affairs Department.

All names in boldface are trademarks or service marks of Calgon Corporation.

For more information, contact your local Calgon Representative, call 1-800-955-0090, or write: Calgon Corporation, P.O. Box 1346, Pittsburgh, PA 15230

Internet: <http://www.calgon.com>



INNOVATIVE TECHNOLOGIES, CREATIVE SOLUTIONS . . . SINCE 1918



WATER MANAGEMENT DIVISION

CHEMICAL
TECHNOLOGIES
GROUP

AC-8015

LOW TEMPERATURE, LIQUID ACIDIC CLEANER

GENERAL DESCRIPTION

Calgon Vestal Laboratories' AC-8015 is a proprietary blend of acids, detergents, penetrants, and chelating agents targeted at the efficient removal of a wide spectrum of soils from all metals, plastics, rubber, etc. Especially effective for removing metal oxides, light rust, and mill scales, it is also excellent for precleaning recirculating spray washers. AC-8015 contains a solvent for the rapid and complete removal of light to moderately heavy greases and oils and its high chelating capacity makes it an outstanding cleaner where welding smut must be removed to facilitate good paint adhesion.

PHYSICAL PROPERTIES

Form	Light yellow/clear liquid
Odor	Slightly Solvent
Specific Gravity	1.32
pH of 1% Solution	2.0
Solubility	Instant and Complete
Cloud Point - 1% Solution	75-85°F
Foam	Low
Flash Point	None

DIRECTIONS FOR USE

AC-8015 is designed to be low foaming at temperatures above 80°F. Operating temperatures range from ambient to boiling. For exceptionally heavy soils, the higher temperatures may be required. For use in a recirculating spray washer, temperatures above 80°F should be maintained.

1061-300-592

Normal operating concentrations of AC-8015 run from 1 ounce per gallon to 100% by volume and depend on temperatures, soil loads, and cleaning equipment used. Your Calgon Vestal representative will help you establish the optimum operating criteria for your application.

AC-8015 should be titrated at least once per shift and additions should be made to maintain prescribed solution strength.

TITRATION

Use Test Kit C-111 and one small vial (10 cc) sample with Indicator A and Alkali 1.

Concentration versus drops of Alkali 1

0.5 oz./gal.	=	9 drops
1.0 oz./gal.	=	18 drops
1.5 oz./gal.	=	26 drops
2.0 oz./gal.	=	35 drops
2.5 oz./gal.	=	43 drops
3.0 oz./gal.	=	51 drops
3.5 oz./gal.	=	59 drops
4.0 oz./gal.	=	68 drops

SERVICE

Routine

Service is one of the most important insurances for consistent quality performance of your operation. A Calgon Vestal Laboratories' Market Specialist will tailor a service program for your facility that will provide effective and trouble-free operations.

Technical Support

Calgon Vestal Laboratories is pleased to provide a completely staffed and equipped Technical Service Laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. Your Calgon Vestal Market Specialist will provide you with details on how this service can benefit your particular situation.

PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product. For additional information regarding incidents involving human and environmental exposure, call (314) 535-1810 and ask for the Regulatory and Trade Affairs Department.