

A large yellow teardrop-shaped graphic is centered on the page. It contains the title text. The background behind the teardrop is a white rectangle with horizontal red lines. The entire page has a dark purple background with horizontal red lines.

VOLUME 1:
EMULSIFIERS & DETERGENTS
NORTH AMERICAN EDITION

1997

HYDRITE EXHIBIT 1016
(1 OF 4)

McCUTCHEON'S
Volume 1:
Emulsifiers & Detergents

1997

North American Edition

McCUTCHEON'S DIVISION, MC PUBLISHING CO., 175 Rock Road, Glen Rock, NJ 07452 USA
Telephone: +1 (201) 652-2655 • Fax: +1 (201) 652-3419 • E-mail: TheMC@gomc.com

81.2428

HYDRITE EXHIBIT 1016
(2 OF 4)

DOCKET
A L A R M

Find authenticated court documents without watermarks at docketalarm.com.

McCutcheon's

VOLUME 1: Emulsifiers & Detergents North American Edition

CONTENTS

Company Index	v
Food Emulsifier Index	xvii
Textile Surfactant Index	xix
Surfactants	1
Formulated Detergent/Shampoo Concentrated Bases	222
Intermediates	229
HLB Index of Materials	243
CAS Number Index	261
Ionic Type Classification	280
Chemical Classification	291

s
r
t,
e

Printed in U.S.A.
Copyrighted 1997, McCutcheon's Division
The Manufacturing Confectioner Publishing Co.
175 Rock Road, Glen Rock, NJ 07452-1700 USA
Phone: +1 (201) 652 2655 • Fax: +1 (201) 652 3419
E-mail: TheMC@gomc.com
All rights reserved
ISBN 0-944254-48-9 LC # 82-644577

Form: liquid Conc. %:100 Type: nonionic HLB: 10.2
Remarks: Emulsifier for textile and cosmetic use.

Trylox 6747 Henkel Corp./Emery Grp.

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (60) sorbiylol hexaoleate
Form: liquid **Conc. %:**100 **Type:** nonionic **HLB:** 11.3
Remarks: Emulsifier, wetting agent, dispersant, solubilizer. Highly efficient oil/solvent emulsifier. Improves the pourability and clarity of high solid "clear concentrate" surfactant solutions.

Trymeen Henkel Corp./Emery Grp.
Performance Products
Henkel Corp.
Textile Technology

Chemical Classification: Ethoxylated Amines and/or Amides
Chemical Description: Ethoxylated tallow amine
Trymeen 6606
Form: liquid **Conc. %:**100 **Type:** cationic **HLB:** 14.3
Trymeen 6607
Form: liquid **Conc. %:**100 **Type:** cationic **HLB:** 15.4
Trymeen 6617
Chemical Description: Ethoxylated stearyl amine
Form: solid **Conc. %:**100 **Type:** cationic **HLB:** 17.8
Remarks: Emulsifiers.

Tween 20 ICI Surfactants

Chemical Classification: Ethoxylated Fatty Acids
Chemical Description: Polyoxyethylene (20) monolaurate
Form: liquid **Conc. %:**100 **HLB:** 16.7
Remarks: Flavor emulsifier.

Tween 21 ICI Surfactants

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (4) sorbitan monolaurate
Form: liquid **Conc. %:**100 **Type:** nonionic **HLB:** 13.3
Remarks: Emulsifier, solubilizer. A general-purpose water soluble hydrophilic surfactant, used as o/w emulsifier with the corresponding Span products. Also used in the textile industry as antistatic agent and fiber lubricant.

Tween 40 ICI Surfactants

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (20) sorbitan monopalmitate
Form: liquid **Conc. %:**100 **Type:** nonionic **HLB:** 15.6
Remarks: Emulsifier, solubilizer. A general-purpose water soluble hydrophilic surfactant, used as o/w emulsifier with the corresponding Span products. Also used in the textile industry as antistatic agent and fiber lubricant.

Tween 60 ICI Surfactants

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (20) sorbitan monostearate
Tween 60
Form: liquid/gel **Conc. %:**100 **Type:** nonionic **HLB:** 14.9
Remarks: Dough strengthener in cake and cake mixes; used in icings and fillings, confectionery coatings and cocoa products to retain gloss, and in sugar type confectionery coatings to modify crystal structure; in coffee whiteners, whipped toppings, shortenings; chocolate flavored syrup emulsifier, flavor emulsifier and dispersant, foaming agent for non-alcoholic beverages, emulsifier for protective coatings for fruits and vegetables, also salad dressings emulsifier.

Tween 60 K
Form: liquid **Conc. %:**100 **Type:** nonionic **HLB:** 14.9
(Cont.)

Tween 65

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (20) sorbitan tristearate
Form: liquid **Conc. %:**100 **Type:** nonionic
Remarks: Emulsifier for cake and cake mixes, icing whiteners, ice cream and other frozen desserts, whip

Tween 80

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (20) sorbitan monooleate
Tween 80
Form: liquid **Conc. %:**100 **Type:** nonionic
Remarks: Emulsifier for icings and fillings, whipped dietary supplements, flavors, gelatin desserts; used in water and as antifoam, crystallizing aid for salt.

Tween 80 K Kosher Grade

Form: liquid **Conc. %:**100 **Type:** nonionic
Remarks: Kosher grade. Solubilizer for fat soluble v for edible shortenings and oils, whipped toppings.

Tween 81

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (5) sorbitan monooleate
Form: liquid **Conc. %:**100 **Type:** nonionic
Remarks: Emulsifier. Laurate, stearate and palmitate perfume, flavor and vitamin oils, etc.

Tween 85

Chemical Classification: Sorbitan Derivatives
Chemical Description: POE (20) sorbitan trioleate (p
Form: liquid **Conc. %:**100 **Type:** nonionic
Remarks: Emulsifier. Laurate, stearate and palmitate perfume, flavor and vitamin oils, etc.

Udet® 950

Chemical Classification: Alkylaryl Sulfonates
Chemical Description: Linear alkylaryl sulfonate
Form: powder **Conc. %:**95 **Type:** anionic
Remarks: Heavy duty powder cleaner, fast dissolving powder.

Ufoxane 2

Chemical Classification: Lignin and Lignin Derivatives
Chemical Description: Modified sodium lignosulfonate
Form: powder **Conc. %:**100 **Type:** anionic
Remarks: Primary dispersant for disperse dyes.

Ultravon EL Ciba Sp
Co

Chemical Description: Mix of nonionic and anionic
Type: anionic
Remarks: For jet bleaching of cotton and blends, no

Ultravon® SFN Ciba Sp
Co

Chemical Description: Proprietary blend
Form: liquid **Type:** anionic
Remarks: Wetter/detergent for peroxide bleaching.

1997 / Emulsifiers & Detergents /