

TGG: JCL: MFG: RF

XF: QC-02, Ray

August 9, 1985

VISTA

Sherrie Stevenson
Technical Information Specialist
DeSoto, Inc.
1700 South Mount Prospect Road
Des Plaines, IL 60018

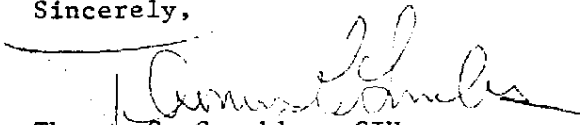
Dear Sherrie:

Enclosed per your request are Material Safety Data Sheets for Vista ALFONIC 1412-60 Alcohol Ethoxylate ALFOL 6, ALFOL 810, and 1214 GC Alcohols. 1214-60 Special and Alcohol Ethoxylate 3 are not Vista products and no MSDS is available. All of the information you requested except the HMIS ratings is included on the enclosed MSDSs. We do not utilize the HMIS system and do not have detailed information regarding this rating system.

All of Vista Chemical Company's commercial products are on the TSCA Chemical Inventory list and to the best of our knowledge appear on the EINECS. The appropriate CAS numbers are on the individual Material Safety Data Sheets.

Please contact me at 713/531-3445 if you have questions on the above.

Sincerely,


Thomas G. Grumbles, CIH
Environmental Quality Manager

ajo/7

Enclosures

VVV 000016722

Vista Chemical Company

15990 N. Barker's Landing Rd.
Post Office Box 19029

Houston, Texas 77224
Phone (713) 531-3200

TGG: JCL: MMG: RF
XF: MSDS Reg.

August 9, 1985

VISTA

Mr. Robert Yoedisch
Lawter International
990 Skokie Blvd.
Northbrook, IL 60062

Dear Robert:

Enclosed are Material Safety Data Sheets for Vista C₁₂-C₁₆ Paraffins and C₁₄-C₁₆ Paraffins. Also enclosed, per your request, are HMIS Rating sheets for those two products.

Sincerely,



Thomas G. Grumbles, CIH
Environmental Quality Manager

ajo/7

Enclosures

VVV 000016723



HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

RECEIVED

Material to be Rated Vista C₁₂-C₁₆ Paraffins

Supplier Vista Chemical Company

MS001

I

HEALTH HAZARD RATING

- ☐ 0 MINIMAL HAZARD No significant risk to health
- ☒ 1 SLIGHT HAZARD Irritation or minor reversible injury possible
- ☐ 2 MODERATE HAZARD Temporary or minor injury may occur
- ☐ 3 SERIOUS HAZARD Major injury likely unless prompt action is taken and medical treatment is given
- ☐ 4 SEVERE HAZARD Life-threatening, major or permanent damage may result from single or repeated exposures

Acute Toxic Properties

(As Are Available)

1. Oral LD₅₀ Rat

- ☒ 0 >5,000 mg/kg
- ☐ 1 >500-5,000 mg/kg
- ☐ 2 >50-500 mg/kg
- ☐ 3 >1-50 mg/kg
- ☐ 4 0-1 mg/kg
- ☐ Other _____

2. Dermal LD₅₀ Rabbit

- ☐ 0 >5,000 mg/kg
- ☐ 1 >1,000-5,000 mg/kg
- ☐ 2 >200-1,000 mg/kg
- ☐ 3 >20-200 mg/kg
- ☐ 4 0-20 mg/kg
- ☐ Other _____

3. Inhalation

A. Gases, vapors (ppm)

LC₅₀ Rat 1-hour exposure

- ☒ 0 >10,000 ppm
- ☐ 1 >2,000-10,000 ppm
- ☐ 2 >200-2,000 ppm
- ☐ 3 >20-200 ppm
- ☐ 4 0-20 ppm
- ☐ Other _____

4. Skin Irritation 4-hour exposure

- ☐ 0 Essentially nonirritating
- ☒ 1 Slightly irritating
- ☐ 2 Primary irritant, sensitizer
- ☐ 3 Severely irritating and/or corrosive
- ☐ 4 Not applicable
- ☐ Other _____

5. Eye Irritation

- ☒ 0 Essentially nonirritating
- ☐ 1 Slightly irritating but reversible within seven days
- ☐ 2 Irritating or moderately persisting more than seven days with reversible corneal opacity
- ☐ 3 Corrosive, irreversible corneal opacity
- ☐ 4 Not applicable
- ☐ Other _____

6. Dusts, fumes, mists (mg/l) LC₅₀ Rat 1-hour exposure

- ☐ 0 >200 mg/l
- ☐ 1 >20-200 mg/l
- ☐ 2 >2-20 mg/l
- ☐ 3 >0.2-2 mg/l
- ☐ 4 0-0.2 mg/l
- ☐ Other _____

CHRONIC EFFECTS INFORMATION :

(If Applicable)

Router: _____

Copy: _____

File: _____

X-F: _____

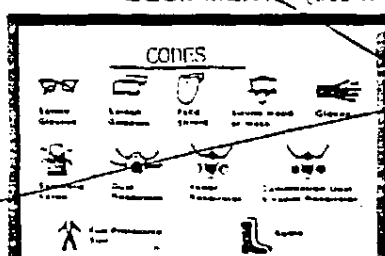
FLAMMABILITY HAZARD RATING

- ☐ 0 MINIMAL HAZARD Materials that are normally stable and will not burn unless heated
- ☒ 1 SLIGHT HAZARD Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points (the lowest temperature at which ignition will occur) at or above 200 F (NFPA Class IIIB)
- ☐ 2 MODERATE HAZARD Material that must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100 F and below 200 F (NFPA Class II & Class IIIA)
- ☐ 3 SERIOUS HAZARD Materials capable of ignition under almost all normal temperature conditions, including flammable liquids with flash points below 73 F and boiling points above 100 F as well as liquids with flash points between 73 F and 100 F (NFPA Class IB and IC)
- ☐ 4 SEVERE HAZARD Very flammable gases or very volatile flammable liquids with flash points below 73 F and boiling points below 100 F (NFPA Class IA)

REACTIVITY HAZARD RATING

- ☒ 0 MINIMAL HAZARD Materials that are normally stable, even under fire conditions, and will not react with water
- ☐ 1 SLIGHT HAZARD Materials that are normally stable but can become unstable at high temperatures and pressures. These materials may react with water but they will not release energy violently
- ☐ 2 MODERATE HAZARD Materials that, in themselves, are normally stable and will readily undergo violent chemical change but will not detonate. These materials may also react violently with water
- ☐ 3 SERIOUS HAZARD Materials that are capable of detonation or explosive reaction but require a strong initiating source or must be heated under confinement before initiation; or materials that react explosively with water
- ☐ 4 SEVERE HAZARD Materials that are readily capable of detonation or explosive decomposition at normal temperatures and pressures

IV PERSONAL PROTECTIVE EQUIPMENT (see A thru X)



A	W
B	W + H
C	W + H + R
D	W + H + R + G
E	W + H + R + G + S
F	W + H + R + G + S + X

G	W + H + R + G + S + X
H	W + H + R + G + S + X + B
I	W + H + R + G + S + X + B + C
J	W + H + R + G + S + X + B + C + D
K	W + H + R + G + S + X + B + C + D + E
X	Ask your supervisor for specialized handling directions

VVV 000016724



DECEIVED

Material to be Rated Vista C₁₄-C₁₆ Paraffins

Supplier Vista Chemical Company

APG - 25

HEALTH HAZARD RATING

- | | | |
|---------------|-------------------|--|
| <u> </u> | 0 MINIMAL HAZARD | No significant risk to health |
| <u> X </u> | 1 SLIGHT HAZARD | Irritation or minor reversible injury possible |
| <u> </u> | 2 MODERATE HAZARD | Temporary or minor injury may occur |
| <u> </u> | 3 SERIOUS HAZARD | Major injury likely unless prompt action is taken and medical treatment is given |
| <u> </u> | 4 SEVERE HAZARD | Life-threatening, major or permanent damage may result from single or repeated exposures |

Acute Toxic Properties

(As Are Available)

1. Oral LD₅₀ Rat

☒ 0 >5,000 mg/kg

☐ 1 >500-5,000 mg/kg

☐ 2 >50-500 mg/kg

☐ 3 1-50 mg/kg

☐ 4 0-1 mg/kg

☐ Other _____

2. Dermal LD₅₀ Rabbit

☐ 0 >5,000 mg/kg

☒ 1 >1,000-5,000 mg/kg

☐ 2 >200-1,000 mg/kg

☐ 3 >20-200 mg/kg

☐ 4 0-20 mg/kg

☐ Other _____

- 3. Inhalation**
A. Gases, vapors (ppm)
LC₅₀ Rat
1-hour exposure

- ☐ 0 >10,000 ppm
☐ 1 >2,000-10,000 ppm
☐ 2 >200-2,000 ppm
☐ 3 >20-200 ppm
☐ 4 0-20 ppm
☐ Other _____

- #### 4. Skin Irritation
- 4-hour exposure

- ☐ 0 Essentially nonirritating
☒ 1 Slightly irritating
☐ 2 Primary irritant, sensitizer
☐ 3 Severely irritating and/or corrosive
☐ 4 Not applicable
☐ Other _____

- ### 5. Eye Irritation

- ☒ 0 Essentially nonirritating
- ☐ 1 Slightly irritating but reversible within seven days
- ☐ 2 Irritating or moderately persisting more than seven days with reversible corneal opacity
- ☐ 3 Corrosive, irreversible corneal opacity
- ☐ 4 Not applicable
- ☐ Other _____

6. Dusts, fumes, mists (mg/l)
LC₅₀ Rat
1-hour exposure

- ☐ 0 >200 mg/l
☐ 1 >20-200 mg/l
☐ 2 >2-20 mg/l
☐ 3 >0.2-2 mg/l
☐ 4 0-0.2 mg/l
☐ Other _____

CHRONIC EFFECTS
INFORMATION:

(If Applicable)

Name: _____

Code: _____

File: _____

X-7: _____

FLAMMABILITY HAZARD
RATING

- | | | |
|--|--------------------------|--|
|  | 1 MINIMAL HAZARD | Materials that are normally stable and will not burn unless heated |
|  | 2 SLIGHT HAZARD | Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points (the lowest temperature at which ignition will occur) at or above 200 °F (NFPA Class IIB) |
|  | 3 MODERATE HAZARD | Material that must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100 °F and below 200 °F (NFPA Class II & Class IIIA) |
|  | 4 SERIOUS HAZARD | Materials capable of ignition under almost all normal temperature conditions, including flammable liquids with flash points below 73 °F and boiling points above 100 °F as well as liquids with flash points between 73 °F and 100 °F (NFPA Class IB and 1C) |
|  | 5 SEVERE HAZARD | Very flammable gases or very volatile flammable liquids with flash points below 73 °F and boiling points below 100 °F (NFPA Class 1A) |

REACTIVITY HAZARD RATING

- | <u>X</u> | | |
|-------------------|-------------------|---|
| <u> </u> | 0 MINIMAL HAZARD | Materials that are normally stable, even under fire conditions, and will not react with water |
| <u> </u> | 1 SLIGHT HAZARD | Materials that are normally stable but can become unstable at high temperatures and pressures. These materials may react with water but they will not release energy violently |
| <u> </u> | 2 MODERATE HAZARD | Materials that, in themselves, are normally stable and will readily undergo violent chemical change but will not detonate. These materials may also react violently with water |
| <u> </u> | 3 SERIOUS HAZARD | Materials that are capable of detonation or explosive reaction but require a strong initiating source or must be heated under confinement before initiation; or materials that react explosively with water |
| <u> </u> | 4 SEVERE HAZARD | <ul style="list-style-type: none"> Materials that are readily capable of detonation or explosive decomposition at normal temperatures and pressures |

IV PERSONAL PROTECTIVE EQUIPMENT. (see A thru X).

