

THE ROYAL INSTITUTE OF
PUBLIC HEALTH
& HYGIENE

INCORPORATED BY



ROYAL CHARTER

1983

THIS IS TO CERTIFY THAT

*a sample of Omega Super Concentrate, of
Holland Traders of Arizona Inc. of Tucson, Arizona,
U.S.A.*

*was tested on the 10th day of February 1983
and was passed by*

*the Examining Board of
The Royal Institute of Public Health & Hygiene*

*as fulfilling
the Standard of Hygienic Merit required by them
in evidence of which the Council has affixed the Seal
of the Institute hereon.*

Issued this 12th day of February 1983

By order of the Council

W. A. Waddell
SECRETARY

This Certificate, originally awarded in 1983, continues in force until December 31st 1983
and is subject to the Conditions and Regulations of the Institute, printed on the back thereof.

THE ROYAL INSTITUTE OF PUBLIC HEALTH & HYGIENE

London

Registered Number.....7438.....

MERIT

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS SAN ANTONIO AIR LOGISTICS CENTER (AFLC)
KELLY AIR FORCE BASE, TEXAS 78241



REPLY TO
ATTN OF: SFT

MAR 4 1983

SUBJECT Corporate Name Change (Your Ltr, 3 Feb 83)

TO: Holland Traders of Arizona Inc
2102 N. Forbes - Suite 101
Tucson AZ 85745

1. This letter supersedes SFQT letter, 26 Mar 82, regarding qualification of Omega's product B-105 to specification MIL-C-25769.

2. Your request outlined in subject letter has been reviewed and is considered acceptable. Listing on the Qualified Products List will appear as follows:

<u>Government Designation</u>	<u>Manufacturer's Designation</u>	<u>Test or Qualification Reference</u>	<u>Manufacturer's Name and Address</u>
Liquid	B-105	SFQT-82-J-02	Holland Traders of Arizona Inc 2102 N. Forbes Suite 101 Tucson AZ 85705 Plant: Same address Omega Products 2102 N. Forbes Suite 101 Tucson AZ 85705

3. The following statements are binding upon the manufacturer in accordance with Defense Standardization Manual 4120.3-M:

a. This listing does not guarantee acceptance of the product in any future purchase.

b. This listing does not constitute a waiver of any requirement of the specification or of the provisions of any contract.

c. This list, the notification of qualification, the results of tests, or other information relating to qualification shall not be circulated or referred to for publicity, for advertising, or for sales other than those leading to ultimate use of the product by an agency of the Federal Government. Violation is cause for removal of the product from the list by the Government activity concerned. (It must be understood that the Department of Defense takes no issue with advertisements indicating that the manufacturer's product conforms to the requirements of a specification, on the assumption that the determination of such conformance is the responsibility of the purchaser. However, there is objection to reference in an advertisement to a statement of Government approval, or to the listing of the product on a Qualified Products List issued by a Government activity. To the public, such statements connote indorsement by the Department of Defense, which is contrary to departmental policy.)

AFLC - Lifeline of the Aerospace Team

d. This applies only to products produced in the plants specified in the letter of notification and is effective at 8:00 am local time as of the date of this letter of notification.

e. This listing applies to amendments or revisions of the specification, unless otherwise notified.

f. This listing applies only to products identical to that qualified. The qualifying agency must be advised of any changes to the product. Failure to notify the qualifying activity of a change in formulation is cause for removal from the qualified products list regardless of the extent of formulation change.

g. To retain this listing, manufacturers must comply with retention of qualification requirements. Failure to comply will be sufficient cause for removal from the qualified products list.

4. This qualification is granted contingent upon B-105 meeting the storage stability requirement (MIL-C-25769J, para 3.9.4).

5. Qualified manufacturers are advised that the Defense General Supply Center, Richmond VA 23297, is the procuring activity for all MIL-C-25769 material in 5- and 55-gallon containers. Air Force activities are not authorized to purchase these sizes direct from qualified suppliers through local purchase channels. Certain authorized local purchase contracts are made for bulk quantities; however, this procurement is made by special authorization. Qualified suppliers are advised to contact Defense General Supply Center on all matters pertaining to procurement of MIL-C-25769 aircraft cleaning compound. Requests or correspondence pertaining to Air Force use, testing or evaluation of a particular or unique, qualified product should be directed to San Antonio ALC/SFTT.



NICK J. MAKRIS
Chief, Technical Division
Directorate of Energy Management

Cy to: DGSC/TQP/PPLM/TSB

SCIENTIFIC MATERIAL INTERNATIONAL INC.

REPLY TO P.O. BOX 341797
CORAL GABLES, FLORIDA 33134
OFFICES - 3071 S.W. 38th Avenue
MIAMI, FLORIDA 33146
PHONE (305) 757-5596

Holland Traders of Arizona
P.O. Box 36656
Tucson, Arizona 85740

11 December, 1981

SMI/REF: 811129

Attn: Mr. A.A. Eljabaly

Report of Test

Submitted: One gallon of Omega liquid cleaner, super concentrate .

Requested: Five tests per request of letter dated 4 November, 1981.

Result of Tests

1. Biodegradability Method A.S.T.M D 2667. When tested to subject method, Omega liquid cleaner in the as received form had 92% biodegradability.

Result Conforms to commercial specifications

2. Toxicity.

No benzene or restricted organic solvents found by instrument methods. Monoethanolamine was detected by Gas Chromatography methods and is identified in the toxic chemical registration book # 141-435. This is an emulsifier and is not considered toxic unless digested in large quantities.

Result Conform to commercial specifications

3. Irritation.

White albino rabbits were used for this test. One sixth of a ml of product was placed on one eye of each rabbit and examined over a period of 72 hours. The results are as follows:

No damage to the cornea was detected at any time during the 72 hour period. No damage to the Iris or area around the eye. Conjunctivitis and inflammation of the eye was evident and a discharge was noted over the 72 hour test period. Three drops of Antibiotic Ophthalmic

Client: Holland Traders of Arizona, Inc.
Product: Omega liquid cleaner.
SMI

11 December, 1981
SMI/REF: 811129

Condt from Page 1

3. Irritation

solution with eye flush returned the eyes to normal in 48 hours. after test. No irritation noted after 5 days.

The rabbits were shaved on there hind quarter and the product applied and kept wet on the area for 48 hours. A slight discolor of the pink skin was observed. No ulcer, blister or severe irritation was noted.

Summary From test conducted the product would be considered non-toxic, non-irritating when used for its intended purpose.

4. Effect on enviroment.

Spectrographic analysis using a B&L Grating Spectrograph 2 meter Dual Grating showed no heavy metals. With tests for biodegradability, toxicity and heavy metals showing no toxic substance, this product under present standards would be considered safe if used under local rules for pollution control.

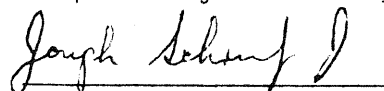
5 Corrosion .

When tested to ASTM F-483, corrosion was as follows: Reported in mg/cm²/24hours.

		<u>Allowed</u>	<u>Found</u>
Aluminum	AMS 2470 anodized	.3	.3
Aluminum	7075 T-6 Bare	.3	.2
Magnesium	AMS 2475	.2	.1
Titanium		.1	.1
Steel		.8	.3

Result When tested to ASTM F-483 the product is considered non corrosive.

Respectfully submitted,



Joseph Schuefer, Jr.

SCIENTIFIC MATERIAL INTERNATIONAL INC.

REPLY TO P.O. BOX 341797
CORAL GABLES, FLORIDA 33134

OFFICES - 3071 S.W. 38th Avenue
MIAMI, FLORIDA 33146

PHONE (305) 757-5596

Z Chem Industries
2102 N. Forbes, Suite 101
Tucson, Arizona 85705

Date: January 12, 1982

SMI/REF: 820107

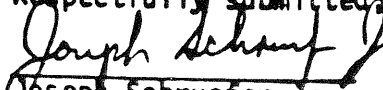
Attn: Mr. A. Eljabaly

Product: One sample of Omega

Dilution: Per specification

Summary Sheet MIL-C-25769J (U.S.A.F.)

<u>Characteristics</u>	<u>RQMT REF</u>	<u>Test REF</u>	<u>Results</u>
pH Value	3.6	4.5.1	Pass
Effect on Painted Surfaces	3.7	4.5.2	Pass
Insoluble Matter	3.8	4.5.3	Pass
Stability			
Heat	3.9	4.5.4.1	Pass
Cold	3.9.2	4.5.4.2	Pass
Hard Water	3.9.3	4.5.4.3	Pass
Flammability	3.10	4.5.5	Pass
Emulibility	3.11	4.5.6	Pass
Corrosion			
Appearance	3.12	4.5.7	Pass
Loss	3.12	4.5.7	Pass
Stress crazing	3.13	4.5.8	Pass
Residue Rinsibility	3.14	4.5.9	Pass
Weight Loss			

Respectfully submitted,

Joseph Schrufer, Jr.

SCIENTIFIC MATERIAL INTERNATIONAL INC.

REPLY TO P.O. BOX 341797
CORAL GABLES, FLORIDA 33134

OFFICES - 3071 S.W. 38th Avenue
MIAMI, FLORIDA 33146

PHONE (305) 757-5596

Client: Holland Traders of Arizona, Inc.
2102 N. Forbes, Suite 101
Tucson, Arizona 85705

Date: 1-29-82

SMI/REF: 820135

Attn: Mr. A.A. Eljabaly

Page: 1

Product: Omega

Dilution: Concentrated and diluted 1 part
product , 10 parts water

Test Temp.: Per specification

CSD #1 Reissued 3-12-79
Type 1 Exterior Cleaner

	<u>Conc.</u>	<u>Diluted</u>
Effect on Painted Surfaces Test	<u>Conform</u>	<u>Conform</u>
Residue Test	<u>Conform</u>	<u>Conform</u>
Sandwich Corrosion Test	<u>Conform</u>	<u>Conform</u>
Stress Crazing Test on Acrylic Plastics	<u>Conform</u>	<u>Conform</u>
Cadmium Removal Test	<u>Conform</u>	<u>Conform</u>
Hydrogen Embrittlement Test	<u>Conform</u>	<u>Conform</u>

Respectfully submitted,



Joseph Schrufer, Jr.

SCIENTIFIC MATERIAL INTERNATIONAL INC.

REPLY TO P.O. BOX 341797
CORAL GABLES, FLORIDA 33134
OFFICES - 3071 S.W. 38th Avenue
MIAMI, FLORIDA 33146
PHONE (305) 757-5596

Holland Traders of Arizona, Inc.
2102 N. Forbes, Suite 101
Tucson, Arizona 85705

Date: 1-29-82

SMI/REF: 820135

Attn: Mr. A.A. Eljabaly

Page 1

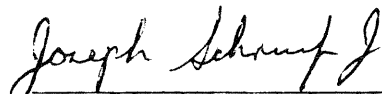
Product: Omega

Dilution: Concentrated and diluted 1 part product, 10 parts water.

Boeing D6-17487

	<u>Conc.</u>	<u>Diluted</u>
Sandwich Corrosion Test	<u>Conform</u>	<u>Conform</u>
Acrylic crazing Test	<u>Conform</u>	<u>Conform</u>
Paint softening Test	<u>Conform</u>	<u>Conform</u>
Hydrogen Embrittlement Test	<u>Conform</u>	<u>Conform</u>

Respectfully submitted,


Joseph Schrufer, Jr.

SCIENTIFIC MATERIAL INTERNATIONAL INC.

REPLY TO P.O. BOX 341797
CORAL GABLES, FLORIDA 33134
OFFICES -3071 S.W. 38th Avenue
MIAMI, FLORIDA 33146
PHONE (305) 757-5596

Holland Traders of Arizona, Inc.
2102 N. Forbes, Suite 101
Tucson, Arizona 85705

Date: 1-29-82

SMI/REF: 820135

Page 1 of 3

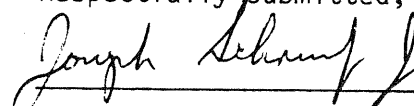
Attn: Mr. A.A. Eljabaly

Product: Omega

Dilution: Concentrated and diluted 1:10 with water

		<u>Conc.</u>	<u>Diluted</u>
3.2.1.1	Sandwich Corrosion	<u>Conform</u>	<u>Conform</u>
3.2.1.2	Total Immersion Corrosion	<u>Conform</u>	<u>Conform</u>
3.2.3.1	Low Embrittling Cadmium Plate	<u>Conform</u>	<u>Conform</u>
3.2.2	Hydrogen Embrittlement	<u>Conform</u>	<u>Conform</u>
3.2.3	Flash Point	<u>Conform</u>	<u>Conform</u>
3.2.4	Effect on Transparent Acrylic Plastics	<u>Conform</u>	<u>Conform</u>
3.2.5	Effect on Painted Surfaces	<u>Conform</u>	<u>Conform</u>
3.2.6	Effect on Unpainted Surfaces	<u>Conform</u>	<u>Conform</u>
3.2.7	Storage Stability	<u>Due 1/83</u>	
3.2.8	Biodegradability	<u>Certified by Mfg.</u>	

Respectfully submitted,


Joseph Schroefer, Jr.



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 836TH AIR DIVISION (TAC)
DAVIS-MONTHAN AIR FORCE BASE AF 83701

REPLY TO
ATTN OF:

LGS

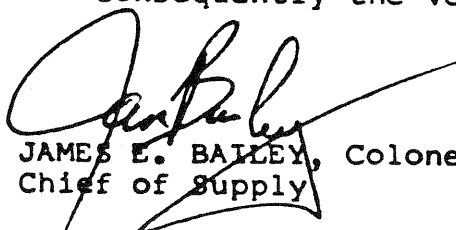
16 Dec 81

SUBJECT:

Sole Source - Brand Name

TO 836 AD/LGC (TSgt D.A. Van Dorpe)

1. Request this organization be permitted to purchase "Super Omega" concentrate. This product is urgently needed for cleaning and sanitizing of the 836th Supply Squadron dormitories.
2. Actual demonstrations have proven this item to be far superior to any brand previously used. The use of this product would eliminate the expense of gas masks and protective clothing required when using other products that create harmful or toxic fumes.
3. The initial cost of "Super Omega" concentrate is offset by the fact that it can be diluted 20 to 1 (water to Omega). No other product purchased can match this. Additionally, other products have to be used at full strength; therefore, they must be purchased in quantities that eventually surpass the initial purchase of Super Omega concentrate.
4. Although purchases are made that meet the minimum needs of the government at the lowest possible price, it must be understood that one gallon of "Super Omega" concentrate will last at least four months; however, one gallon of a competitive brand will last approximately one week.
5. Unlike all other brands "Super Omega" is 99.0 percent biodegradable. Other cleaners require special storage areas to prevent corrosive effects--Omega has no corrosive additives and produces no offensive odors. Also, AF50H standard 161-1, Respiratory Protective Program, requires all non-corrosive cleaners used in enclosed areas be non-toxic and non-flammable.
6. The Super Omega concentrate can only be purchased from Omega Products, 2102 N. Forbes, #101, Tucson, AZ 85745. Consequently the vendor is a sole source.


JAMES E. BAILEY, Colonel, USAF
Chief of Supply

Readiness is our Profession



DEPARTMENT OF THE AIR FORCE

33RD TACTICAL AIR SUPPORT SQUADRON (TAL)
DAVIS-MONTHAN AIR FORCE BASE, AZ 85717

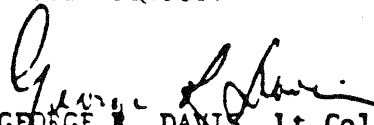
REPORT TO
ATTN OF **NAAM (SSgt Prack/4958)**

12 November 1981

SUBJECT **Letter of Justification for Omega Super Concentrate**

TO **836SS/LGSMS-2**

1. After trying numerous cleaning products, Omega Super Concentrate has proven to be what the Weapons Shop, AGE Shop, Flight line, and Phase Inspection needs to clean LAU-68 rocket launchers and aircraft parts and panels.
2. T.O. 11L1-3-27-1, page 61-8, table 1-3 reads that the Weapons Shop can't use a cleaning agent that is corrosive to clean LAU-68 rocket launchers.
3. Also, AFOSH Standard 161-1, Respiratory Protection Program, requires all non-corrosive cleaners that are used in-doors also be non-toxic, and non-flammable.
4. Omega Super Concentrate is 99.0% bio-degradeable, non-toxic, non-flammable and non-corrosive; which is ideally suited for Air Force use. PD-680 cannot be used because it is a toxic liquid. Request the above named product be purchased and adopted for Air Force use as a cleaning agent.
5. This Omega Super Concentrate can only be purchased from Omega Products, 2102 N. Forbes, Suite 101, Tucson, AZ 85745. Consequently, the vendor is a sole source.


GEORGE R. DAVIS, Lt Col, USAF
Commander

Readiness is our Profession



United States
Department of
Agriculture

Food Safety
and Quality
Service

Science
Building 306, BARC-East
Beltsville, MD 20705

July 17, 1981

Mr. Dewey Zufelt
Omega Products/
A Division of Z-Chem Industries, Inc.
2102 North Forbes, Suite 101
Tucson, AZ 85705

Dear Mr. Zufelt:

This is in reply to your request for compound authorization received on July 10, 1981.

Your product Super Concentrate is acceptable as a general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments of official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs.

Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water.

Acceptance of this compound by this Department is in no way to be construed as an endorsement of the compound or of any claims made for it.

If any change is made in the labeling information or formulation, the authorization for use in official plants becomes void immediately.

Sincerely,

Charles R. Edwards
Chemist-In-Charge
Compounds Evaluation Unit, CPS
Product Safety Branch
Food Ingredient Assessment Division

cc: International Bionomics, Inc.