Callington

TECHNICAL DATA SHEET

Specialty Chemical Manufacturers for Industry, Biosecurity and Aviation

# 1-SHOT

**Code 4508**

## *Disinsection of Cargo Holds & Overnight Cabin Insect Treatment*

### DESCRIPTION

1-Shot is an aerosol insecticide for the disinsection of aircraft cargo holds. This is done by spraying manually or by means of automatic disinsection apparatus, at (or after departure) from the last port before entering Australia, New Zealand or other countries where disinsection procedures of cargo areas are mandatory.

The purpose of 1-Shot (and aircraft disinsection procedures in general) is to help prevent the spread of insects and the bacteria or viruses which they carry, which can cause disease in humans, plants or animals.

1-Shot is a 150 gram aerosol can containing World Health Organisation recommended and approved insecticides and a non-flammable, non-CFC propellant approved for use in aircraft.

### APPROVALS

1-Shot complies with the World Health Organisation specifications for insecticides. 1-Shot is approved by the National Registration Authority, Australian Quarantine & Inspection Services and the New Zealand Ministry of Agriculture & Fisheries. The propellants have been tested and approved by the PAFT Committee. 1-Shot is a patented product.

Callington Haven is an ISO 9001:2000 quality accredited company with a National Association of Testing Authorities, Australia accredited laboratory for aerospace chemical testing.

1-Shot has been tested and approved to Boeing, Douglas & AMS Specifications.
1-Shot complies with Airbus CML 14-010B.

**National Stock Number** 6840-66-131-2263

### APPLICATION

1-Shot is to be used for hold disinsection at the last port before entering Australia and New Zealand.

In the case of automatic hold disinsection this may be carried out at any time after doors are closed unless other arrangements have been made.

Spraying of holds shall be carried out at a rate of 10 grams per 1,000 cubic feet or 10 gms per 28.3 cubic metres.

Spraying may be carried out at the last port by one of the following methods:-

- manually, after loading of last container and immediately before closing hold doors.
- by use of 1 Shot aerosol cans which are suitably located inside the hold and fired with the hold doors being immediately closed.
- by the use of automatic hold disinsection apparatus.

... /2

In the case of B747 aircraft, 2 x 150g cans must be discharged into the hold in such a manner as to ensure that all parts of the hold have been disinsected. (If the cargo holds have been residually treated in accordance with requirements, the amount of spray can be reduced to 1 x 150g can per hold).

In the case of narrow bodied aircraft, each hold is to be sprayed using 1 x 150g can.

The main deck rear compartment of the B747 Combi aircraft is to be sprayed at the same time as the cabin using 1 x 150g can (or an equivalent eg 2 x 100g cans) of the **Top of Descent** cabin spray formula. For B747 Combi aircraft with larger than normal cargo compartments, the cabin is to receive proportionately less spray than the cargo compartment so as to achieve the correct amount of spray for the main deck area.

## VERIFICATION

Used cans are to be left inside the holds for inspection and removal by a Quarantine Officer on arrival.

- Under no circumstances should a hold door be opened after arrival at the first port of entry into Australia without the presence or approval of a Quarantine Office.

- To avoid undue inconvenience and delay it is strongly recommended that used cans be located at a convenient retrieval point, for example in a bag attached to the door, or internal webbing. Experience has shown that the bulk hold is a convenient place to locate the empty cans used for hold disinsection.

## OVERNIGHT INSECT TREATMENT

1-Shot aerosols can be used when the aircraft is on the ground overnight to provide a once off fumigation for cockroaches and other insects. All lockers and interior doors are open and the aerosols placed in the aisles. 8 cans for a 747, 6 cans for a 767, 4 cans for a 737 and 757. Equally space through the aircraft with exterior doors closed, working from the rear, activate the cans, finally closing the front door and leaving closed for 4 hours. The same procedure can be used in the aircraft hold 737 and 757 - 1 can per hold, 747 and 767 - 2 cans per hold.

## PACKAGING

12 x 150 gram cans per carton.

**WARRANTY** – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.

Created 21 January 2009 Date Printed 14/06/2012 3:16 PM

NATA WORLD RECOGNISED ACCREDITATION

**CALLINGTON HAVEN PTY LTD**
Incorporated in New South Wales
ABN 000 632 404 ABN 28 000 632 404
30 South Street Rydalmere NSW 2116
PO Box 144 Rydalmere NSW BC 1701 Australia
T: (61-2) 9898 2788 F: 9684 4215
E: enquiries@calhaven.com.au W: www.callingtonhaven.com

DNV JAS-ANZ
DNV Certification Pty Ltd
Quality Assured ISO9001: 2008

Callington

TECHNICAL DATA SHEET

Specialty Chemical Manufacturers for Industry, Biosecurity and Aviation

# TOP OF DESCENT

***Code 4502***

## *Aerosol Aircraft Insecticide for Pre-Disembarkation Spraying of Cabin*

### DESCRIPTION

Top of Descent is an aerosol insecticide for use inside the cabin of aircraft at top of descent, prior to disembarkation.

The purpose of Top of Descent (and aircraft disinsection procedures in general) is to help prevent the spread of insects and the bacteria or viruses which they carry, which can cause disease in humans, plants or animals.

Top of Descent is a 100 gram aerosol can containing World Health Organisation recommended and approved insecticides together with a non-flammable, non-CFC propellant approved for use in aircraft.

Top of Descent spraying is mandatory for all flights into many countries of the world including Australia and New Zealand.

### APPROVALS

Top of Descent complies with the World Health Organisation specifications for insecticides. Top of Descent is approved by the National Registration Authority, Australian Quarantine & Inspection Services and the New Zealand Ministry of Agriculture & Fisheries. The propellants have been tested and approved by the PAFT Committee. Top of Descent is a patented product.

Callington Haven is an ISO 9001:2000 quality accredited company with a National Association of Testing Authorities, Australia accredited laboratory for aerospace chemical testing.

Top of Descent has been tested and approved to Boeing, Douglas & AMS Specifications.
Top of Descent complies with Airbus CML 14-010B.

**National Stock Number** 6840-66-097-6309

### APPLICATION

Top of Descent spraying is to be carried out inside the cabin areas prior to the opening of doors prior to disembarkation.

Spraying of cabins shall be carried out at a standard spray rate of 1g per second and on the basis of a required coverage of 10g per 1,000 $ft^3$ in aircraft cabins. This generally equates to one step or one row per second.

... /2

## PROCEDURE

The following procedure must be followed:-

**B747** The spraying is to be applied as near as possible to the ceiling by two members of the cabin crew, one walking along each aisle holding 2 x 100g cans at arms length and at a slow walking pace of not more than one step or one row per second starting at the rear of the aircraft. The upper deck can be disinsected by one of the two crew members with the remaining crew member completing disinsection of the main cabin at the front of the aircraft.

A total of 4 x 100g cans should be fully used for the above procedure.

**B747-SP** Only one can to be used by each of two personnel walking slowly from the rear of the aircraft cabin holding can/s at arms length. (N.B. A total of 2 x 100g cans should be fully used for this procedure.)

**747 COMBI** Only one can to be used by each of two personnel walking slowly from the rear of the aircraft cabin holding can/s at arm length. (N.B. A total of 2 x 100g cans should be fully used for this procedure.)

**B767/DC10** Only one can to be used by each of the two cabin crew walking at a slow pace holding can/s at arms length of not more than one step or one row per second starting at the rear of the aircraft cabin. (N.B. A total of 2 x 100g cans should be fully used for this procedure.)

## VERIFICATION

All empty or partly used Top of Descent cans (along with cans used for the pre-embarkation, pre-spraying and cans used for the hold spraying) must be kept for inspection and removal by the Quarantine Officer boarding the aircraft at the first port of entry into Australia and New Zealand, when other quarantine formalities will be undertaken.

## PACKAGING

12 x 100 gram cans per carton.

**WARRANTY** – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.

Created 10 October 2008 Date Printed 14/06/2012 3:27 PM

NATA WORLD RECOGNISED ACCREDITATION

**CALLINGTON HAVEN PTY LTD**
Incorporated in New South Wales
ACN 000 632 404 ABN 28 000 632 404
30 South Street Rydalmere NSW 2116
PO Box 144 Rydalmere NSW BC 1701 Australia
T: (61-2) 9898 2788 F: 9684 4215
E: enquiries@calhaven.com.au W: www.callingtonhaven.com

DNV JAS-ANZ
DNV Certification Pty Ltd
Quality Assured ISO9001: 2008

# PEST MANAGEMENT REPORT

| C.D. CODE | | UIC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

*Form Approved*
*OMB No. 0704-0188*

The public reporting burden for this collection of information is estimated to average 6 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION.**

**REPORT CONTROL SYMBOL**

| 1. MAJOR OR REVIEWING COMMAND | | 2. REPORTING INSTALLATION | |
|---|---|---|---|
| a. NAME | b. ADDRESS | a. NAME | b. ADDRESS |
| | | | |

| NO. | TARGET PEST | OPERATION | | | | PESTICIDE | | | | | | | | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name (a) 13 - 15 | Name (b) 17 - 19 | Total Units Treated (c) 20 - 24 | Unit (d) 25 - 27 | Site (e) 28 - 30 | Name (f) 31 - 33 | Form (g) 34 - 36 | APPLICATION Amount (h) 37 - 41 | APPLICATION Unit (i) 42 - 43 | Final Conc. % (j) 44 - 49 | RATE (Per Area Unit) Lbs. (k) 50 - 55 | RATE (Per Area Unit) % (l) 56 - 58 | SUPPLY SOURCE Enter S,N,G,C (m) 68 | Hours (n) 69 - 71 |
| 1 | roach | baiting | | | | Combat | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | |



Reset

| NO. | TARGET PEST | OPERATION | | | | PESTICIDE | | | | | | | | TIME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Name (a) 13 - 15 | Name (b) 17 - 19 | Total Units Treated (c) 20 - 24 | Unit (d) 25 - 27 | Site (e) 28 - 30 | Name (f) 31 - 33 | Form (g) 34 - 36 | APPLICATION Amount (h) 37 - 41 | APPLICATION Unit (i) 42 - 43 | Final Conc. % (j) 44 - 49 | RATE (Per Area Unit) Lbs. (k) 50 - 55 | RATE (Per Area Unit) % (l) 56 - 58 | SUPPLY SOURCE Enter S,N,G,C (m) 68 | Hours (n) 69 - 71 |
| 18 | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |

**3. REMARKS**

**INSTRUCTIONS FOR USE**

1. Detailed instructions of the implementing department directive shall be used in the preparation of this report.

2. Military installations shall prepare this report by the 15th day after the end of each month. The report shall be prepared and signed by the DOD certified pest management supervisor, applicator or inspector and by the installation engineer.

3. Three copies shall be signed and distributed as follows:
a. Copy No. 1. To the appropriate pest management professional in accordance with implementing department directives for technical review.
b. Copy No. 2. Record to the installation surgeon.
c. Copy No. 3. Record copy to the installations engineer for two year retention in accordance with Public Law 92-516.

**4. INSTALLATION ENGINEER** *(Reviewing Officer)*

| a. TYPED NAME | b. SIGNATURE | c. DATE *(YYYYMMDD)* |
|---|---|---|
| | | |

**5. INSTALLATION CERTIFIED PEST MANAGEMENT SUPERVISOR, APPLICATOR, OR INSPECTOR**

| a. TYPED NAME | b. SIGNATURE | c. DATE *(YYYYMMDD)* |
|---|---|---|
| | | |



Reset