

**ISO-FUME**  
COMMERCIAL FLAT STORAGE

**HOW TO APPLY**

**PUMP or POUR** ISO-FUME may be pumped through chemical resistant hose having length of pipe, probe, or hollow tooth rake to carry fumigant to or just below the grain surface. ISO-FUME may be poured rapidly from spritzing can, bucket, or original container, where pumping equipment is not available. The hollow tooth rake method gives more uniform distribution of the fumigant.

Liquid ISO-FUME, however applied, turns into deep penetrating gases. These heavier-than-air gases radiate downward and outward (penetration and diffusion), activating and killing all stages of insects, weevil grainborers, bran bugs, sawtooth grain beetle, confused flour beetle, carpet beetle, cadelle beetle, moths, and certain other insects. May be used on wheat, barley, oats, rice, rye, sorghums.

**QUANTITY TO USE**

A standard dosage of 3 gallons per thousand bushels (70° - 90° F.) is considered adequate for average treating conditions only. Average storage conditions, average condition of grain. Factors such as tightness of bin (vapor loss), grain moisture, dockage, compaction, as well as temperature must be considered. Depending on the particular storage problem, more or less dosage may be required. When temperature of the grain rises above 90° or falls below 70° it may be necessary to increase dosage by up to 50%. Below 40° it is not considered practical to try to fumigate.

Do NOT use fumigated material or feed it to livestock until aeration has eliminated the odor of the fumigant.

**DANGER**

**DO NOT BREATHE FUMES**

Use a gas mask if possible. Begin application at the far end of storage facility, working toward exit. Immediately following application, seal bin and allow at least 72 hours for these lethal vapors to radiate throughout the grain mass. Do not re-enter treated bin without proper respiratory protection. Use a gas mask with an airtight protection against organic vapors and gases. Caution: Do not breathe mouthfuls of gas. Follow all instructions as needed.

**DOSAGE TABLE**

Temperature (°F)	Standard Dosage (Gals/1000 Bushels)
70 - 90	3
90 - 100	4
100 - 110	5
110 - 120	6
120 - 130	7
130 - 140	8
140 - 150	9
150 - 160	10
160 - 170	11
170 - 180	12
180 - 190	13
190 - 200	14
200 - 210	15
210 - 220	16
220 - 230	17
230 - 240	18
240 - 250	19
250 - 260	20
260 - 270	21
270 - 280	22
280 - 290	23
290 - 300	24
300 - 310	25
310 - 320	26
320 - 330	27
330 - 340	28
340 - 350	29
350 - 360	30
360 - 370	31
370 - 380	32
380 - 390	33
390 - 400	34
400 - 410	35
410 - 420	36
420 - 430	37
430 - 440	38
440 - 450	39
450 - 460	40
460 - 470	41
470 - 480	42
480 - 490	43
490 - 500	44
500 - 510	45
510 - 520	46
520 - 530	47
530 - 540	48
540 - 550	49
550 - 560	50
560 - 570	51
570 - 580	52
580 - 590	53
590 - 600	54
600 - 610	55
610 - 620	56
620 - 630	57
630 - 640	58
640 - 650	59
650 - 660	60
660 - 670	61
670 - 680	62
680 - 690	63
690 - 700	64
700 - 710	65
710 - 720	66
720 - 730	67
730 - 740	68
740 - 750	69
750 - 760	70
760 - 770	71
770 - 780	72
780 - 790	73
790 - 800	74
800 - 810	75
810 - 820	76
820 - 830	77
830 - 840	78
840 - 850	79
850 - 860	80
860 - 870	81
870 - 880	82
880 - 890	83
890 - 900	84
900 - 910	85
910 - 920	86
920 - 930	87
930 - 940	88
940 - 950	89
950 - 960	90
960 - 970	91
970 - 980	92
980 - 990	93
990 - 1000	94

**CONTAINER DISPOSAL**

Do not reuse empty container. Wash thoroughly with water and detergent. Discard in a safe place.

**ATOMICHEM PROCESS**

DEADLY TO INSECTS

ACCEPTED

**ISO-FUME**

**IDEAL GRAIN FUMIGANT**

- COOLS HEATING GRAIN
- KILLS WEEVILS, BRAN BUGS
- EQUALLY EFFECTIVE ON FLAT STORED GRAIN

ACTIVE INGREDIENTS

**NEW FORMULA**

CARBON TETRACHLORIDE	80.6%
ETHYLENE DICHLORIDE	11.4
ETHYLENE DIBROMIDE	5.7
SULFUR DIOXIDE	2.3

**DANGER-POISON**

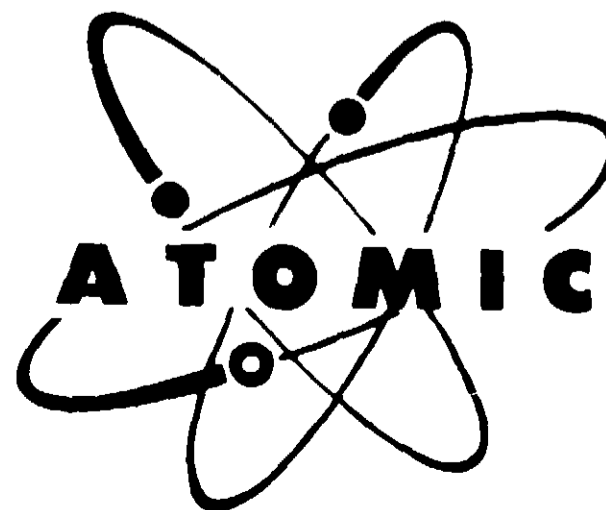


SEE ANTIDOTE AND OTHER REQUIRED WARNINGS ON SIDE OF LABEL

**ATOMIC CHEMICAL CORP.**

BOX 1111 SPOKANE, WASHINGTON

**DANGER**  
KEEP OUT OF REACH OF CHILDREN



# ISO-FUME

## COOLING GRAIN . . . MOISTURE REDUCTION

To avoid preventing grain damage due to heating, fire, mold, and increased moisture, caused by insects, apply a double dosage of ISO-FUME to the grain in the same manner used in fumigation. After 48 hours, grain should be moved and aerated to complete treatment. The relative humidity of the outside air will have great bearing on the results accomplished. NEVER attempt to cool grain or reduce moisture under conditions of high relative humidity. Low relative humidity will enhance the chances of satisfying results. Observe all safety precautions as when fumigating.

### DANGER WARNING-VAPOR HARMFUL

This fumigant is volatile. Harmful, or fatal if swallowed or inhaled. Avoid contact with skin, eyes, or clothing. May be absorbed through skin. In case of contact, wash immediately with soap and water. Keep container tightly closed. Store in a cool location away from dwellings.

### IMPORTANT NOTICE

We warrant solely that this product contains the materials shown on panel listing ingredients. Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is not in strict accordance with label instructions.

### ANTIDOTE: Emergency Treatment

For eye contact, flush with water for 15 minutes. For skin contact, wash with soap and water. For inhalation, move to fresh air. For ingestion, do not induce vomiting. Call a physician. For more information, call 1-800-451-4511.

**PUMP or POUR** ISO-FUME may be pumped through chemical resistant hose having length of pipe, probe or hollow tooth rake to carry fumigant to or just below the grain surface. ISO-FUME may be poured rapidly from sprinkling can, bucket, or original container, where pumping equipment is not available. The hollow tooth rake method gives more uniform distribution of the fumigant.

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Do NOT use fumigated material or feed it to livestock until aeration has eliminated the odor of the fumigant. **DANGER**

Use a gas mask if possible. Begin application at the far end of storage facility, working toward the front, starting with application on small bin and allow at least 22 hours for these lethal vapors to radiate through the grain mass. Do not attempt to fumigate without an approved fire or faulting gas mask with a filter protection against cyanide gas and grain dust. If necessary, have an alternate fumigant available in case that is needed.

Follow the above outlined procedures for Commercial Grain Storage. Where a small quantity of grain is to be treated, less than 1000 bushels, a sprinkling can with probe or rake, the pump and bucket method, or pouring, require double quantity needed for larger quantities.

Do not reuse empty containers. Wash thoroughly with water and store in a safe place.