

ITEM: 5JC04 - Duster Economical 10oz

PICK REQ: 1059863370

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A9421

This MSDS should be attached or kept with the respective product with which it is associated.

SAFETY DATA SHEET - A9421

Associated Grainger Item: 5JC04 - Duster Economical 10oz

CHEMTRONICS

MSDS #: 0509

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY ADDRESS:
8125 COBB CENTER DRIVE
KENNESAW, GA 30152

PRODUCT INFORMATION: 800-TECH-401

CUSTOMER SERVICE: 800-645-5244

EMERGENCY: (CHEMTREC) 800-424-9300

REVISION DATE: JANUARY 22, 2007

SECTION 1: PRODUCT IDENTIFICATION

ULTRAJET(R*) 70 (FORMERLY CFC FREE 70 PSI)

PRODUCT CODE: ES1015, BS1015C, ES1015RC

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	WT. % RANGE
TETRAFLUOROETHANE	811-97-2	100%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
CLEAR, COLORLESS LIQUEFIED GAS. THIS PRODUCT IS NONFLAMMABLE. EXPOSURE TO LIQUID MAY CAUSE FROSTBITE.

EYES: CONTACT WITH LIQUID IS IRRITATING AND MAY CAUSE FROSTBITE.

SKIN:
CONTACT CAUSES FROSTBITE; PROLONGED CONTACT CAN CAUSE SKIN IRRITATION.

INGESTION:
DUE TO VOLATILE NATURE OF PRODUCT. CONTACT WITH LIQUID MAY CAUSE BITE TO MOUTH AND THROAT TISSUES.

INHALATION:
HARMFUL IF INHALED. HIGH CONCENTRATIONS OF VAPORS IN IMMEDIATE AREA CAN DISPLACE OXYGEN AND CAN CAUSE DIZZINESS, UNCONSCIOUSNESS, AND EVEN DEATH WITH LONGER EXPOSURE. KEEP PEOPLE AWAY FROM SUCH VAPORS WITHOUT SELF-CONTAINED BREATHING APPARATUS.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
HEART, LUNG, SKIN, EYE.

SECTION 4: FIRST AID MEASURES

EYES:
TREAT FOR POSSIBLE FROSTBITE, THEN FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HAVE EYES EXAMINED AND TESTED BY MEDICAL PERSONNEL IF IRRITATION DEVELOPS OR PERSISTS.

SKIN:
TREAT FOR POSSIBLE FROSTBITE, THEN WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. WASH CLOTHING SEPARATELY BEFORE REUSE.

INGESTION:
TREAT FOR POSSIBLE FROSTBITE. SWALLOWING LESS THAN AN OUNCE WILL NOT CAUSE SIGNIFICANT HARM. FOR LARGER AMOUNTS, DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: NONE TO BOILING (TCC)

LEL/UEL: NONFLAMMABLE

EXTINGUISHING MEDIA:
USE ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

FIRE FIGHTING INSTRUCTIONS:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILLS:
SHUT OFF LEAK IF POSSIBLE AND SAFE TO DO SO. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL. DO NOT FLUSH TO SEWER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS.

SMALL SPILLS:
ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL.

SECTION 7: HANDLING AND STORAGE

AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN, AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING PRODUCT VAPOR OR MIST. DO NOT REUSE THIS CONTAINER. STORE IN A COOL DRY PLACE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE IN DIRECT SUNLIGHT. KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	OTHER (DUPONT) AEL
TETRAFLUOROETHANE	NA	NA	1,000 PPM

AEL = ACCEPTABLE EXPOSURE LIMIT

WORK/HYGIENIC PRACTICES:

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLVs DURING THE USE OF THIS PRODUCT. IF VAPOR CONCENTRATION EXCEEDS TLV, USE NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR. WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND RUBBER OR OTHER CHEMICALLY RESISTANT GLOVES WHEN HANDLING THIS MATERIAL.

NFPA AND HMIS CODES	NFPA	HMIS
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	1	1
PERSONAL PROTECTION		B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: CLEAR, COLORLESS LIQUEFIED GAS

SOLUBILITY IN WATER: 67MG/L @ 77F

ODOR: SLIGHT ETHEREAL ODOR

SPECIFIC GRAVITY: (WATER=1) 1.21

pH: NA

EVAPORATION RATE: >1 (BUTYL ACETATE=1)

VAPOR PRESSURE: 4730 MMHG @ 77 DEG. F

VAPOR DENSITY: 3.18 @ 77F (AIR=1)

PERCENT VOLATILE: 100%

BOILING POINT: -15.7F

SECTION 10: STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE.

CONDITIONS TO AVOID:
DO NOT SPRAY NEAR OPEN FLAMES, RED HOT SURFACES OR OTHER SOURCES OF IGNITION.

INCOMPATIBILITY:
DO NOT MIX WITH POWDERED ALKALI AND ALKALINE EARTH METALS OR STRONG OXIDIZING AGENTS.

PRODUCTS OF DECOMPOSITION:
THERMAL DECOMPOSITION MAY RELEASE HYDROFLUORIC ACID VAPOR.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NA

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION:

TETRAFLUOROETHANE
RATS ALC
567,000PPM/4HRS

INFORMATION FROM DUPONT.

CANCER INFORMATION:
NO INGREDIENTS LISTED AS HUMAN CARCINOGENS BY NTP OR IARC.

REPRODUCTIVE EFFECTS: NONE

TERATOGENIC EFFECTS: NONE

MUTAGENIC EFFECTS: NONE

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT INFORMATION:
AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

REPORTING:
US REGULATIONS REQUIRE REPORTING SPILLS OF THIS MATERIAL THAT COULD REACH ANY SURFACE WATERS. THE TOLL FREE NUMBER FOR THE US COAST GUARD NATIONAL RESPONSE CENTER IS: 1-800-424-8802

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	UN NUMBER	HAZARD CLASS	SUB. RISK	PKG. GROUP
AIR: 1,1,1,2-TETRAFLUOROETHANE	UN 3159	2.2	NA	NA
GROUND: CONSUMER COMMODITY ORM-D	NA	ORM-D	NA	NA
HAZARD LABEL	PKG. INSTR.	MAX. QUANTITY		
AIR: NONFLAMMABLE GAS	200	75KG; 150KG		
GROUND: ORM-D	173.306	DOT-E-10232		

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION:
THIS PRODUCT CONTAINS NO TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

THIS INFORMATION SHOULD BE INCLUDED ON ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

TOXIC SUBSTANCES CONTROL ACT (TSCA):
ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

WHMIS:
CLASS A
CLASS D2B

THIS PRODUCT HAS BEEN CLASSIFIED ACCORDING TO THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

PRODUCT IS A LEVEL 1 AEROSOL. DO NOT PUNCTURE OR INCINERATE CONTAINERS. NORMAL VENTILATION FOR STANDARD MANUFACTURING PRACTICES IS USUALLY ADEQUATE. LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS ARE RELEASED.

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. IN PARTICULAR, IMPROPER USE OF OUR PRODUCTS AND THEIR APPROPRIATE COMBINATION WITH OTHER PRODUCTS AND SUBSTANCES MAY PRODUCE UNDESIRABLE RESULTS WHICH CANNOT BE ANTICIPATED. FINAL DETERMINATION OF THE SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT MAY EXIST.