

S.C. Johnson Wax
 Racine, Wisconsin 53403-5011
 Phone: (414) 631-2777
 Emergency Phone: (800) 228-5635
 Extension 092
 International Emergency Phone:
 Extension 092

4=Very High
 3=High
 2=Moderate
 1=Slight
 0=Insignificant

HAZARD RATING	
HMIS	NFPA
0	Health
4	Flammability
0	Reactivity

MATERIAL SAFETY DATA SHEET

SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: RAID FLYING INSECT KILLER FORMULA 12			PRODUCT CODE: 11660-30		
CHEMICAL OR COMMON NAME: NA	DATE ISSUED: 04/21/93	SUPERSEDES: 06/17/92	MSDS SECTIONS WITH CHANGES: II	PREPARED BY: Terry A. Meyers Chemical Info. Adm.	

SECTION II-INGREDIENT INFORMATION

INGREDIENTS	WEIGHT %	EXPOSURE LIMIT
Propane (CAS# 74-98-6)	5-10	800 PPM ACGIH/OSHA TWA
Water (CAS# 7732-18-5)	60-75	NOT ESTABLISHED
Technical Piperonyl Butoxide (CAS# 51-03-6)	1	NOT ESTABLISHED
D-CIS Trans Allethrin (CAS# 584-79-2)	0.095	NOT ESTABLISHED
Tetramethrin (CAS# 7696-12-0)	0.50	NOT ESTABLISHED
Sumithrin (CAS# Not Available)	0.047	Not Available
Isobutane (CAS# 75-28-5)	5-10	NOT ESTABLISHED
N-Butane (CAS# 106-97-8)	10-15	1000 PPM OSHA PEL
Isoparaffinic Hydrocarbon Solvent (CAS# 64742-47-8)	1-5	200 PPM TLV-EXXON RECOMMENDED

SECTION III-PHYSICAL DATA

APPEARANCE/ODOR: Dispersed as a spray mist with mild odor	SPECIFIC GRAVITY (H2O=1): 0.81
VAPOR PRESSURE (mm Hg): ND	PERCENT VOLATILE BY VOLUME (%): ND
SOLUBILITY IN WATER: Appreciable	VAPOR DENSITY (Air=1): ND
FREEZING POINT (°F): ND	BOILING POINT (°F): ND
pH: NA	EVAPORATION RATE (Butyl Acetate=1): ND
VOC (as packaged, minus H2O): Isobutane, N-Butane, Propane and Hydrocarbon Solvent	THEORETICAL VOC (lb/gal): 0.28

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT (°F) (Method Used): under 20(TCC) (Propellant)
FLAMMABLE LIMITS: ND

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SECTION IV-FIRE AND EXPLOSION INFORMATION (cont.)

EXTINGUISHING MEDIA:	Foam. CO2. Dry Chemical. Water Fog.
SPECIAL FIREFIGHTING PROCEDURES:	Normal fire fighting procedures may be used. Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	No special hazards known.

SECTION V-HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY:	Inhalation.
SIGNS AND SYMPTOMS:	Product spray mist, fog or vapor may cause irritation to nose, throat and lungs if adequate ventilation is not employed.
FIRST AID PROCEDURES:	If mist, fog or vapors cause discomfort, remove to fresh air and ventilate area. If discomfort persists, seek medical aid.
MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:	Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be adversely affected by exposure to any vapor or airborne particulate matter.

SECTION VI-REACTIVITY DATA

STABILITY:	Stable
STABILITY-CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known
HAZARDOUS DECOMPOSITION PRODUCTS:	When exposed to fire, produces normal products of combustion.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID:	None known

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Eliminate all ignition sources. Rinse affected area thoroughly with water.
WASTE DISPOSAL INFORMATION:	Recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can.

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	If ventilation is adequate, respiratory protection not required.
VENTILATION:	General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.
PROTECTIVE GLOVES:	No special requirements under normal use conditions.
EYE PROTECTION:	No special requirements under normal use conditions.
OTHER PROTECTIVE MEASURES:	Use good personal hygiene practices. Where gross eye/skin contact may be a problem, wear/use appropriate protective equipment.

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SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING: CAUTION:Harmful if absorbed through the skin. Avoid contact with skin, eyes and clothing. Avoid contamination of food and foodstuffs. In case of contact, flush skin and eyes with plenty of water. If irritation persists, consult physician.

OTHER HANDLING AND STORAGE CONDITIONS: Do not pressurize, cut, heat, weld or expose container to flame; explosion could occur. Keep out of reach of children. Exposure to temperatures above 130 F may cause bursting.

SECTION X-ADDITIONAL INFORMATION

ADDITIONAL INFORMATION:

SECTION XI-TRANSPORTATION INFORMATION

DOT CLASS: ORM-D.

DOT #: NA

SHIPPING NAME: Insecticides or insect repellents, NOI, other than poison.

DOT NOTES: Consumer Commodity.

NA-Not Applicable, NE-Not Established, NSR-No Special Requirement, ND-Not Determined

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