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***** SECTION I, IDENTIFICATION OF PRODUCT *****

PRODUCT NAME: REPULSE (A/16)
PRODUCT NUMBER: 6754
LAST REV. DATE: 09/17/1998
PREPARED BY:
F. J. SPAETH, DIRECTOR OF TECHNICAL SERVICES

***** SECTION II, HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	%WGT	VP	VD	PPM	MG/M3
LPG PROPELLANT		15-30	ND	ND	OSHA ND	0.000
	68476-85-7				ACGIH1000	1000.00
PIPERONYL BUTOXIDE		0.50	ND	ND	OSHA	0.000
	51-03-6				ACGIH	0.000
FERMETHRIN		0.20	ND	ND	OSHA	0.000
	52645-53-1				ACGIH	0.000
PETROLEUM DISTILLATE		05-10	ND	ND	OSHA	0.000
	64742-47-8				ACGIH	0.000
PYRETHRINS		0.10	ND	ND	OSHA	0.000
	8003-34-7				ACGIH	0.000

HMIS 1:H 1:F 0:R :P

NOTE: OSHA/ACGIH TLV OF 0.00 STANDS FOR N/E

***** SECTION III, PHYSICAL DATA *****

BOILING POINT (F): >212
EVAPORATION RATE (BUTYL ETHER=1): <1
WEIGHT PER GALLON (25 C): 8.130 LBS/GL
VAPOR DENSITY (AIR=1): >1
VOLATILE BY WEIGHT: NO DATA
VOLATILE BY VOLUME: NO DATA
SPECIFIC GRAVITY: 0.98
VOC: 19.00 GM/L METHOD:
PHOTOCHEMICAL REACTIVITY:
This product's solvent system is not considered photochemical reactive.
APPEARANCE: CLEAR YELLOW TO ORANGE LIQUID.
ODOR: SLIGHT INSECTICIDE.
WATER SOLUBILITY: COMPLETELY SOLUBLE.

***** SECTION IV, FIRE AND EXPLOSION HAZARD DATA *****

FLAMMABILITY CLASSIFICATION
OSHA: COMBUSTIBLE LIQUID - CLASS III B
DOT: CONSUMER COMMODITY, ORM-D
FLASH POINT (DEG. F): >212
LOWER EXPLOSIVE LIMIT (LEL): NO DATA
UPPER EXPLOSIVE LIMIT (UEL): NO DATA
EXTINGUISHING MEDIA:

In case of fire, use water fog, dry chemical carbon dioxide, or "alcohol" foam. Water stream may be ineffective and may result in spreading the fire. Water spray (fog) is particularly effective.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None. However, containers may burst explosively if over heated in fire. Cool containers with water spray or fog.

SPECIAL FIRE-FIGHTING PROCEDURES:

If water is used, fog nozzles are preferable. Water may be used to cool closed containers in order to prevent pressure build up which may result in an explosion.

***** SECTION V, HEALTH HAZARD DATA *****

PRIMARY ROUTE(S) OF ENTRY: Inhalation: Y Skin Contact: Y
Ingestion: N

EXPOSURE LIMIT: Refer to Section II for complete PEL/TLV data.

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION: May cause nose, throat, and lung irritation.

SKIN CONTACT:

Prolonged or frequently repeated skin contact may cause allergic reactions, redness, drying or possible cracking.

EYE CONTACT:

May cause stinging of eyes followed by irritation. Does not cause injury to eye tissue.

SKIN ABSORPTION:

Prolonged or repeated contact with the skin may cause defatting and irritation.

INGESTION:

Harmful if swallowed. Can cause mouth, throat, and gastrointestinal tract irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

CHRONIC EFFECTS OF OVEREXPOSURE:

Chronic effects and medical conditions aggravated by over-exposure to this product have not been established.

Unnecessary exposure to this product or any chemical should be avoided.

CARCINOGENICITY: IARC: N NTP: N OSHA: N

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:

No additional effects of overexposure to this material can be found from available information.

ADDITIONAL TOXICITY INFORMATION:

No additional information available.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION:

Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.

EYE CONTACT:

IN CASE OF CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician. Wash skin with soap and water.

SKIN CONTACT: Wash skin with warm soapy water to remove.

INGESTION:

DO NOT INDUCE VOMITING. Drink two large glasses of water. Consult a physician.

***** SECTION VI, REACTIVITY DATA *****

STABILITY: Stable.

CONDITIONS TO AVOID: Open flame, sparks, or high temperature.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition and or burning may produce oxides of carbon and various hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

***** SECTION VII, SPILL OR LEAK PROCEDURES *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all ignition sources. Provide adequate ventilation. Avoid breathing vapors. Shut off source of spill if it can be done safely. Use non-sparking tools. Absorb with inert, absorbant material and dispose of in accordance with applicable regulations.

WASTE DISPOSAL METHOD:

Dispose of in accordance with applicable Federal, State, and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. Consult your attorney or appropriate regulatory

affairs officer for information on proper disposal.

***** SECTION VIII, SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:

None required in excess of normal ventilation.

VENTILATION:

Local mechanical exhaust to provide normal ventilation.

PROTECTIVE GLOVES:

Impervious gloves recommended.

EYE PROTECTION:

Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None required.

HYGIENIC PRACTICES:

Wash thoroughly after handling.

***** SECTION IX, SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store above 120 F.

Keep closure tight and container upright to prevent leakage.

Store drum out of sunlight and away from heat, sparks, or flame.

Store only in well-ventilated areas.

OTHER PRECAUTIONS:

Follow label instructions. KEEP OUT OF REACH OF CHILDREN.

***** SECTION X, REGULATORY INFORMATION *****

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

All chemical components of this product are non-toxic, as per the Code Of Federal Regulations TSCA Section 8(b) Inventory List.

SARA SECTION 312 HAZARD CATEGORIES:

N-Fire Hazard

N-Pressure Hazard

N-Reactivity Hazard

Y-Acute Health Hazard

Y-Chronic Health Hazard

SARA SECTION 313 STATUS

Component/Category Name	CAS Number	Weight %
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NO INFO FOUND IN PRODUCT MSDS FILE

DISCLAIMER

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the sole responsibility of the user.