

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label)	
HOT SHOT STARTING FLUID	
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
SPRAY PRODUCTS CORPORATION	215 / 277-1010
ADDRESS (Number, Street, City, State and Zip Code)	MANUFACTURER'S D-U-N-S NO
P.O. BOX 737 NORRISTOWN, PA 19404	04-271-6084
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)	
ENGINE STARTING FLUID, FLAMMABLE GAS, UN1960	
ADDITIONAL HAZARD CLASSES (as applicable)	
NOT APPLICABLE	
CHEMICAL FAMILY	FORMULA
NOT APPLICABLE	NOT APPLICABLE

SECTION II — INGREDIENTS

(list all ingredients)

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TLV (Units)	Listed as a Carcinogen in NTP, IARC or OSHA
60-29-7	32.5	ETHYL ETHER	400	
142-82-5	60.5	HEPTANE	500	
124-38-0	.6	CARBON DIOXIDE	5000	

SECTION III — PHYSICAL DATA

BOILING POINT	94 °C	SPECIFIC GRAVITY (H ₂ O = 1)	7.1
VAPOR PRESSURE	442 mm Hg	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR = 1)	2.35	PERCENT SOLID BY WEIGHT (%)	
SOLUBILITY IN WATER	6.5 g/100 ml	EVAPORATION RATE (BUTYL ACETATE = 1)	6.9
APPEARANCE AND ODOR	CLEAR/ ETHER ODOR	MATERIAL:	(GAS) PASTE (LIQUID) SOLID POWDER

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Tag C	FLASH POINT	-49 °C	method used	FLAMMABLE LIMITS	LEL	UEL
	Closed Cup			% BY VOLUME	1.85	48.0
EXTINGUISHING MEDIA						
WATER, ALCOHOL FOAM, CARBON DIOXIDE, OR DRY CHEMICALS.						
SPECIAL FIRE FIGHTING PROCEDURES						
COOL CONTAINERS WITH WATER. CONTENTS UNDER PRESSURE.						
EXTREMELY FLAMMABLE						
UNUSUAL FIRE AND EXPLOSION HAZARDS						
NOT MISCIBLE IN WATER						

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Hot Shot

SECTION V-HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE — Conditions to Avoid WILL CAUSE DROWSINESS, STUPOR, OR	THRESHOLD LIMIT VALUE ☐ SEE SECTION II PERMISSIBLE EXPOSURE LIMIT ☐
UNCONSCIOUSNESS ON PROLONGED EXPOSURE MAY CAUSE	OTHER LIMIT ☐
EYE OR SKIN IRRITATION	
PRIMARY ROUTES OF ENTRY: Inhalation ☒ Skin Contact ☐ Other (specify)	
EMERGENCY AND FIRST AID PROCEDURES IF OVERINHALED, REMOVE PERSON TO FRESH AIR. IF PRODUCT GETS IN EYES OR ON SKIN, FLUSH WITH LARGE AMOUNTS OF WATER IF SWALLOWED, DO NOT INDUCE VOMITTING. CALL PHYSICIAN IMMEDIATELY.	

SECTION VI-REACTIVITY DATA

STABILITY	UNSTABLE	☒	CONDITIONS TO AVOID
	STABLE	☐	CONDITIONS FAVORING FORMATION OF PEROXIDES (NOT APPLICABLE WHEN IN AEROSOL CANS)
INCOMPATIBILITY (materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS: CO ₂			
HAZARDOUS POLYMERIZATION	MAY OCCUR	☐	CONDITIONS TO AVOID
	WILL NOT OCCUR	☒	

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	REMOVE ALL IGNITION SOURCES. VENTILATE AREA
SMALL AMOUNTS MAY BE FLUSHED AWAY WITH WATER OR ABSORBED BY PAPER TOWELS WHICH SHOULD BE TAKEN TO A SAFE AREA FOR EVAPORATION.	
WASTE DISPOSAL METHOD	DEFECTIVE CONTAINERS SHOULD BE DISPOSED OF AT AN APPROVED WASTE SITE.
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)	U117, D001
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	5.9 ^g /gal

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)		
N/A		
VENTILATION	LOCAL EXHAUST (Specify Rate)	SPECIAL
	MECHANICAL (General) (Specify Rate)	OTHER
PROTECTIVE GLOVES (specify type)		N/A
EYE PROTECTION (specify type)		SAFETY GLASSES OR GOGGLES
OTHER PROTECTIVE EQUIPMENT		

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	CONTENTS UNDER PRESSURE. DO NOT STORE ABOVE 120°F.
STORE AND USE AWAY FROM ALL IGNITION & HEAT SOURCES. USE ADEQUATE VENTILATION.	
OTHER PRECAUTIONS	USE ONLY OUTDOORS.
DO NOT PUNCTURE OR INCINERATE CANS	

Name (print)	ANDREW A. ORR
Signature	<i>Andrew Orr</i>
Title	PRESIDENT
Date	AUGUST 26, 1987