

**BROOKS SIGN ON SPRAY ADHESIVE 9.5 OZ.**

**MANUFACTURED FOR:** BROOKS EQUIPMENT CO., INC.  
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CHARLOTTE, NC 28269  
**EMERGENCY PHONE NUMBER:** CHEM TREC  
1-800-424-9300

**INFORMATION NUMBER:** 1-574-848-1001

H. M. I. S.	
HEALTH	2
REACTIVITY	0
FLAMMABILITY	4
THESE RATINGS SHOULD BE USED ONLY AS PART OF A FULLY IMPLEMENTED HMIS SYSTEM	

**MATERIAL SAFETY DATA SHEET**

**SECTION I**

**PRODUCT CLASS:** AEROSOL ADHESIVE  
**DATE:** 12/11/11

**PRODUCT CODE NUMBER:** SIGN ON ADHESIVE

**HAZARDOUS MATERIAL DESCRIPTION:** Consumer Commodity ORM-D  
**PRODUCT NAME:** BROOKS SIGN ON SPRAY ADHESIVE 9.5 OZ.

**SECTION II- HAZARDOUS INGREDIENTS**

INGREDIENT	CAS NO	OSHA PEL	TWA TLV	STEL	SARA 313	WT % (OPTIONAL)
ACETONE	67-64-1	750	750	1000		20 - 30
PROPANE	74-98-6	1000	1000	ASPHYXIANT		20 - 30
HEXANE	110-54-3	50	50		X	15 - 20
ISOBUTANE	75-28-5	N/A	800	N/A		5 - 15

**SECTION III- HEALTH HAZARD INFORMATION**

**EFFECTS OF OVEREXPOSURE:**

**PRIMARY ROUTES OF ENTRY:** SKIN CONTACT, EYE CONTACT, ABSORPTION, INHALATION.

**INHALATION:** CAN CAUSE IRRITATION TO THE NOSE AND THROAT. HIGH CONCENTRATIONS MAY CAUSE HEADACHES, DIZZINESS, NAUSEA, AND CONFUSION.

**EYE:** MAY CAUSE EYE IRRITATION

**SKIN:** MAY CAUSE TRANSIENT SKIN IRRITATION

**INGESTION:** MAY CAUSE GASTROINTESTINAL IRRITATION

**OTHER:** REPORTS HAVE ASSOCIATED PROLONGED AND REPEATED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

**SECTION IV- FIRST AID PROCEDURES**

**SWALLOWING:** IF SWALLOWED DO NOT INDUCE VOMITING. CALL POISON CONTROL CENTER, HOSPITAL EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY.

**INHALATION:** REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP WARM AND QUIET. GET MEDICAL ATTENTION.

**EYE:** FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. CONTINUE FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

**SKIN:** REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

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**SECTION V- PHYSICAL DATA**

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BOILING POINT	-40F TO 160F	SPECIFIC GRAVITY	0.6
VAPOR PRESSURE PSIG @ 70F	70 APPROX.	MELTING POINT	N.A.
VAPOR DENSITY	2.5	% VOLATILE	80%

APPEARANCE AND ODOR: CLEAR LIGHT AMBER SOLUTION

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**SECTION VI – FIRE AND EXPLOSION DATA**

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FLASH POINT AND METHOD: -40F TCC

FLAMMABLE LIMITS: 1.8 LEL 12.0 UEL

UNUSUAL FIRE AND EXPLOSION HAZARDS: AEROSOL CANS MAY RUPTURE WHEN HEATED.

EXTINGUISHING MEDIA: USE WATER FOG, DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: HEATING OF CONTENTS ABOVE 130F MAY CAUSE CANS TO BURST.

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**SECTION VII- REACTION DATA**

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STABILITY: STABLE

CONDITIONS TO AVOID: STORING IN HIGH TEMPERATURES OR EXPOSING TO OPEN FLAMES

INCOMPATIBILITY (CONDITIONS TO AVOID): NONE

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: NONE

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**SECTION VIII- SPILL OR LEAK INFORMATION**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OF IGNITION. PERMIT ONLY PROPERLY PROTECTED WORKERS IN THE AREA WITH SKIN/EYE PROTECTION AND SELF CONTAINED BREATHING GEAR. ABSORB SMALL SPILLS WITH INERT ABSORBENT MATERIAL. CONTAIN SPILLED LIQUID TO PREVENT CONTAMINATION OF SOIL, SURFACE WATER OR GROUND WATER. CONTACT STATE, LOCAL AND FEDERAL AGENCIES TO ENSURE COMPLIANCE WITH CURRENT REGULATIONS.

WASTE DISPOSAL METHOD: WASTE MUST BE DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

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**SECTION IX- PERSONAL PROTECTION INFORMATION**

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RESPIRATION PROTECTION: IF THE TLV'S LISTED IN SECTION II ARE EXCEEDED USE A PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR

VENTILATION: LOCAL AND MECHANICAL VENTILATION ARE RECOMMENDED TO KEEP ANY HAZARDOUS INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST EXPOSURE LIMIT.

HAND PROTECTION: RESISTANT PLASTIC OR RUBBER RECOMMENDED.

EYE PROTECTION: WEAR SAFETY CHEMICAL SPLASH GOGGLES.

OTHER PROTECTIVE EQUIPMENT: NOT LIKELY TO BE NEEDED.

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**SECTION X- SPECIAL PROCEDURES**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE CANS IN A COOL, DRY AND WELL VENTILATED AREA AWAY FROM ALL IGNITION SOURCES. PROLONGED EXPOSURE OF CANS TO ELEVATED TEMPERATURES MAY CAUSE CANS TO RUPTURE OR BURST.

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