

MATERIAL SAFETY DATA SHEET

Reviewed January 1, 2011

Section 1 PRODUCT and COMPANY INFORMATION

Product Number: HBI 101-1A	HMIS CODES
Product Name: Nyalic [®] Aerosol	Health 3
Manufactured For: HBI, Inc.	Flammability 4
114 Airport Business Ct	Reactivity 0
Jasper, GA 30143	
Phone: 770-690-1480	Emergency Phone:
	Chemtrec 800-424-9300

Section 2 Composition/Information on Ingredients

% by Weight	CAS Number	Ingredient		Units	Vapor Pressure
15	74-98-6	Propane			
			ACGIH TLV	2500 ppm	760 mm
			OSHA PEL	1000 ppm	
13	64742-94-5	Medium Aromatic Hydrocarbons			
			ACGIH TLV	N/A	0.12 mm
			OSHA PEL	N/A	
2	91-20-3	Naphthalene			
			ACGIH TLV	10 ppm	1.0 mm
			ACGIH TLV	15 ppm STEL	
			OSHA PEL	10 ppm	
			OSHA PEL	15 ppm STEL	
56	67-64-1	Acetone			
			ACGIH TLV	500 ppm	180 mm
			ACGIH TLV	750 ppm STEL	
			OSHA PEL	1000 ppm	

Section 3 Hazards Identification

ROUTES of EXPOSURE: **Inhalation** of vapor or spray mist.

Eye or skin contact with the product, vapor or spray mist.

EFFECTS of OVEREXPOSURE: **Eyes** – Irritation

Skin – Prolonged or repeated exposure may cause irritation.

Inhalation – Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS and SYMPTOMS of OVEREXPOSURE: Headache, dizziness, nausea and loss of coordination are indicators of excessive overexposure to vapors or spray mist. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

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MEDICAL CONDITIONS AGGRAVATED by EXPOSURE: None generally recognized.

CANCER INFORMATION: For a complete discussion of toxicology data, refer to Section 11.

Section 4 First Aid Measures

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention

SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: **DO NOT** induce vomiting. Get medical attention immediately.

Section 5 Fire Fighting Measures

FLASH POINT:	Temperature	LEL	UEL
Propellant	< 0°F	0.8	12.8

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

UNUSUAL FIRE and EXPLOSION HAZARDS: Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions, over-exposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Get medical attention.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 Accidental Release Measures

STEPS to be TAKEN in CASE MATERIAL is RELEASED or SPILLED:
Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

Section 7 Handling and Storage

STORAGE CATEGORY: N/A

PRECAUTIONS to be TAKEN in HANDLING and STORAGE:

Keep away from heat, sparks and open flame. Vapors will accumulate readily and may ignite explosively. During use, and until all vapors are gone, keep area ventilated. **DO NOT** smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools and appliances and any other sources of ignition. Consult NFPA code. Use approved bonding and grounding procedures. Contents under pressure. **DO NOT** puncture, incinerate or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water and other heat sources could cause container to burst. **DO NOT** take internally. **KEEP OUT OF THE REACH OF CHILDREN.**

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Section 8 Exposure Controls / Personal Protection

PRECAUTIONS to be TAKEN in USE: Use only with adequate ventilation. Avoid contact with eyes and skin. Avoid breathing vapor and spray mist. Wash hands after use.

VENTILATION: Local exhaust preferable. General exhaust acceptable if the exposure to materials listed in Section 2 is maintained below acceptable exposure limits. Refer to OSHA Standards 1910.94, 1910.107 and 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, then wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES: None required for normal application of aerosol products with minimal skin contact expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or even fatal.

Section 9 Physical and Chemical Properties

PRODUCT WEIGHT:	6.34 lbs/gal	760 g/l
SPECIFIC GRAVITY:	0.76	
BOILING POINT	< 0° - 425° F	< -18° - 218° C
MELTING POINT	N/A	
VOLATILE VOLUME	89%	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY in WATER	N/A	
pH	7.0	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)	Volatile Weight 30.81% less water and Federally exempt solvents	

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Section 10 Stability and Reactivity

STABILITY: Stable

CONDITIONS to AVOID: None known

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: By fire – Carbon dioxide, carbon monoxide

HAZARDOUS POLYMERIZATION: Will not occur

Section 11 Toxicological Information

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to liver urinary and reproductive systems. reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGICAL DATA:

CAS Number	Ingredient Name				
74-98-6	Propane	LC50	RAT	4 HR	N/A
		LD50	RAT		N/A
64742-94-5	Medium aromatic hydrocarbons	LC50	RAT	4 HR	N/A
		LD50	RAT		N/A
91-20-3	Naphthalene	LC50	RAT	4 HR	N/A
		LD50	RAT		N/A
67-64-1	Acetone	LC50	RAT	4 HR	N/A
		LD50	RAT		5800 mg/kg

Section 12 Ecological Information

ECOTOXICOLOGICAL INFORMATION: No data available

Section 13 Disposal Information

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. **DO NOT INCINERATE.** Depressurize container. Dispose of in accordance with Federal, State/Provincial and Local regulations regarding pollution.

Section 14 Transportation Information

NO DATA AVAILABLE

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Section 15 Regulatory Information

SARA 313	(40 CFR 372.65C)	Supplier Notification		
CAS Number	Chemical/Compound	% by Weight		% Element
91-20-3	Naphthalene	2		

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 Other Information

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR), and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Because conditions of the use of this product are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information