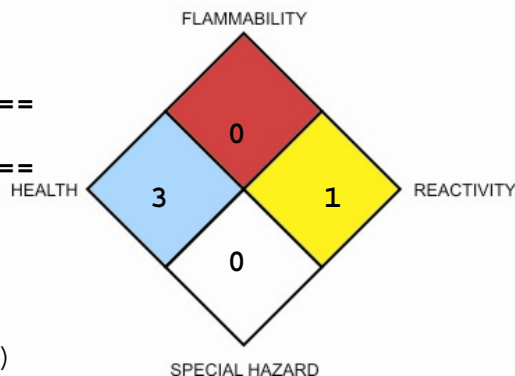


**S#5249**

DEGREE OF HAZARD

 4 = EXTREME  
 3 = HIGH  
 2 = MODERATE  
 1 = SLIGHT  
 0 = INSIGNIFICANT

**MATERIAL SAFETY DATA**

**SECTION I - IDENTIFICATION**

IDENTITY.....WYANDOTTE 5249 SCRUBBIE  
 MANUFACTURER'S NAME.....ALEX C. FERGUSSON, INC.  
 ADDRESS.....800 DEVELOPMENT AVE.  
 CHAMBERSBURG, PA 17201  
 EMERGENCY PHONE NUMBER.....1-800-345-1329 (AFCO)  
 1-800-424-9300 (CHEMTREC)  
 DATE PREPARED.....8/7/08

**SECTION II - HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	EXPOSURE LIMITS PPM			CAS NO.	PCT
	OSHA PEL	ACGIH TLV	OTHER LIMITS		
SODIUM HYDROXIDE	2mg/m <sup>3</sup> 8hr TWA	2mg/m <sup>3</sup> Ceiling	NA	1310-73-2	<5
2-BUTOXYETHANOL	50ppm(skin) TWA	25ppm(skin) TWA 75ppm STEL	NA	111-76-2	5

THE SPECIFIC CHEMICAL IDENTITY OF THE NON-HAZARDOUS INGREDIENTS IN THIS PRODUCT ARE BEING WITHHELD AS A "TRADE SECRET".

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT.....220°F  
 VAPOR PRESSURE (mm HG).....ND  
 VAPOR DENSITY (AIR = 1).....ND  
 SOLUBILITY IN WATER.....COMPLETE  
 APPEARANCE/ODOR.....CLEAR BLUE LIQUID, SLIGHT ODOR  
 SPECIFIC GRAVITY (H<sub>2</sub>O = 1)..1.05  
 MELTING POINT.....NA  
 EVAPORATION RATE.....ND

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

FLASH POINT.....NONE  
 FLAMMABLE LIMITS.....NA  
 LOWER EXPLOSION LIMIT.....NA  
 UPPER EXPLOSION LIMIT.....NA  
 EXTINGUISHING MEDIA.....NA

SPECIAL FIRE FIGHTING PROCEDURES...RESPIRATOR AND PROTECTIVE CLOTHING SHOULD BE WORN BY FIREFIGHTERS IN AREAS WHERE PRODUCT IS STORED.

UNUSUAL FIRE AND EXPLOSION HAZARD..MAY RELEASE FLAMMABLE HYDROGEN GAS WHEN IN CONTACT WITH SOFT METALS.

=====  
**SECTION V - REACTIVITY DATA**  
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STABILITY:

UNSTABLE -  
STABLE -X  
CONDITIONS TO AVOID.....NONE KNOWN

INCOMPATIBLE MATERIALS.....ALUMINUM, ZINC, TIN AND THEIR ALLOYS, STRONG ACIDS.

DECOMPOSITION OR BYPRODUCTS..NONE

HAZARDOUS POLYMERIZATION:

MAY OCCUR -  
WILL NOT OCCUR -X  
CONDITIONS TO AVOID.....NONE KNOWN

=====  
**SECTION VI - HEALTH HAZARD DATA**  
=====

PRIMARY ROUTES OF ENTRY

INHALATION ?.....YES  
SKIN ?.....YES  
INGESTION ?.....YES

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE.....

**EYE CONTACT:**

CAUSES SEVERE BURNS THAT RESULT IN DAMAGE TO THE EYES AND POSSIBLY BLINDNESS.

**SKIN:**

CONTACT PRODUCES SEVERE BURNS AND DESTROY TISSUES. IRRITATION MAY BE DELAYED. FREQUENT SKIN CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS.

**INHALATION:**

BREATHING MIST OR SPRAY MAY CAUSE DAMAGE TO THE UPPER RESPIRATORY TRACT AND LUNG TISSUE WHICH COULD PRODUCE CHEMICAL PNEUMONIA, DEPENDING UPON THE SEVERITY OF EXPOSURE.

**INGESTION:**

CAUSES SEVERE BURNS TO MUCOUS MEMBRANES OF THE MOUTH, THROAT, ESOPHAGUS, AND STOMACH.

CHRONIC.....REPEATED OVEREXPOSURE MAY LEAD TO POSSIBLE LIVER AND KIDNEY DAMAGE.



CARCINOGENICITY

NTP ?.....NOT LISTED  
IARC MONOGRAPHS ?.....NOT LISTED  
OSHA REGULATED ?.....NO

SIGNS AND SYMPTOMS OF EXPOSURE.....CORROSIVE TO ALL BODY TISSUES BY ALL ROUTES OF EXPOSURE. THE EFFECT OF LOCAL DERMAL EXPOSURE MAY CONSIST OF MULTIPLE AREAS OF SUPERFICIAL DESTRUCTION OF THE SKIN OR OF PRIMARY IRRITANT DERMITITIS, SIMILARLY, INHALATION OF SPRAY, OR MIST MAY RESULT IN VARYING DEGREES OF IRRITATION OR DAMAGE TO THE RESPIRATORY TRACT TISSUES AND AN INCREASED SUSCEPTIBILITY TO RESPIRATORY ILLNESS. INHALATION MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, AND VOMITING.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE.....DERMATITIS

EMERGENCY AND FIRST AID PROCEDURES....

**EYES:**

OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY THEN GET MEDICAL ATTENTION. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST FIFTEEN MINUTES, HOLDING THE EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE SURFACE. WASHING EYES WITHIN SEVERAL SECONDS IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. GET MEDICAL ATTENTION IMMEDIATELY.

**SKIN:**

IMMEDIATELY WASH WITH PLENTY OF WATER FOR AT LEAST FIFTEEN MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. WASH CLOTHING BEFORE REUSE AND DISCARD FOOTWEAR THAT CANNOT BE DECONTAMINATED. GET MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:**

REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT HAVE TRAINED PERSON ADMINISTER OXYGEN. IF RESPIRATION STOPS, GIVE MOUTH-TO-MOUTH RESUSCITATION. GET MEDICAL ATTENTION.

**INGESTION:**

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR. GET MEDICAL ATTENTION IMMEDIATELY.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OOR SPILLED...WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. LEAKS SHOULD BE STOPPED. SPILLS, AFTER CONTAINMENT, SHOULD BE ABSORBED OR REMOVED BY VACUUM TRUCK. NEUTRALIZE RESIDUE WITH DILUTE ACID. FLUSH SPILL AREA WITH WATER FOLLOWED



BY LIBERAL COVERING OF SODIUM BICARBONATE. DISPOSE OF WASH WATER AND SPILL BY-PRODUCTS ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS. PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

WASTE DISPOSAL METHOD.....PACKAGE, STORE, TRANSPORT AND DISPOSE OF ALL PRODUCT WASTE ACCORDING TO ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING....KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID BREATHING VAPORS. AVOID SKIN AND EYE CONTACT. USE WITH ADEQUATE VENTILATION.

OTHER PRECAUTIONS.....ALWAYS WEAR PROTECTIVE CLOTHING DESCRIBED BELOW WHEN HANDLING PRODUCT.

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**SECTION VIII - CONTROL MEASURES**  
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RESPIRATORY PROTECTION (SPECIFY TYPE)...IF TLV IS EXCEEDED, USE NIOSH/MESA APPROVED RESPIRATOR.

VENTILATION

- LOCAL EXHAUST.....AS NEEDED TO ELIMINATE MISTS.
- SPECIAL.....NA
- MECHANICAL.....NA
- OTHER.....NA

PROTECTIVE GLOVES.....RUBBER OR NEOPRENE

EYE PROTECTION.....SAFETY GOGGLES

OTHER PROTECTIVE CLOTHING AND EQUIPMENT...COVERALLS, CHEMICALLY RESISTANT SHOES, SHOWER, AND EYE WASH FACILITY.

WORK/HYGENIC PRACTICES.....NA

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**SECTION IX - ADDITIONAL INFORMATION**  
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**SECTION 313 SUPPLIER NOTIFICATION**

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372):

<u>CAS NO.</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
111-76-2	2-BUTOXYETHANOL	5

SARA TITLE III SECTION 311/312 CLASSIFICATION.....IMMEDIATE HEALTH HAZARD  
.....DELAYED HEALTH HAZARD