

AIR GUARD CONTROL (CANADA) LTD.  
 CONCORD, ON; L4K 3X5 CANADA Web Page: www.airguardcontrol.com  
 Sales Info: North American 1-800-267-1578, International 1-905-669-9876 Emergencies: See CHEM-TEL EMERGENCY # in Section 01

**PRODUCT: 01351-380504CN KONK LIVESTOCK RED****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER ..... MANUFACTURED FOR:  
 AIR GUARD CONTROL (CANADA) LTD.  
 CONCORD, ON  
 CANADA

CHEM-TEL EMERGENCY # ..... NORTH AMERICA 1-800-255-3924 (24 HR). INTERNATIONAL 1-813-248-0573 (24 HR).

PRODUCT NAME ..... 01351-380504CN KONK LIVESTOCK RED  
 CHEMICAL FAMILY ..... RESIN SOLUTION.  
 MOLECULAR WEIGHT ..... NOT APPLICABLE.  
 CHEMICAL FORMULA ..... MIXTURE.  
 TRADE NAMES & SYNONYMS ..... 01351-380504CN KONK LIVESTOCK RED  
 PRODUCT USES ..... COATING.  
 LAB BOOK # ..... 012-15-167, 012-13-190.

**Section 02: COMPOSITION/INFORMATION INGREDIENTS**

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
ETHANOL	3-7	1000 ppm	64-17-5	7060 mg/kg ORAL - RAT	31,623 ppm (4 hr) INHAL - RAT
ISOPROPANOL	60-100	400 ppm	67-63-0	>4720 mg/kg ORAL - RAT	12000 ppm (8hr) INHAL - RAT
n-PROPANOL	1-5	492 mg/m3	71-23-8	1870 mg/kg ORAL-RAT	NOT AVAILABLE
ISOBUTANE	5-10	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	10-30	1000 ppm	74-98-6	NOT APPLICABLE	NOT AVAILABLE

**Section 03: HAZARDS IDENTIFICATION**

ROUTE OF ENTRY:  
 INGESTION ..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.  
 INHALATION ..... ISOPROPANOL VAPORS COULD PRODUCE IRRITATION OF NOSE AND THROAT. INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLANT IS A SIMPLE ASPHYXIANT.

EYE CONTACT ..... MAY CAUSE IRRITATION.  
 SKIN ABSORPTION ..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.  
 SKIN CONTACT ..... MAY CAUSE IRRITATION.  
 EFFECTS OF ACUTE EXPOSURE ..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.  
 EFFECTS OF CHRONIC EXPOSURE ..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS.  
 EXPOSURE LIMIT OF MATERIAL ..... SEE SECTION 2.

**Section 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURE ..... IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

**Section 05: FIRE FIGHTING MEASURES**

AUTO IGNITION TEMPERATURE (°C) ..... LOWEST KNOWN VALUE IS 363 (ETHANOL).  
 SPECIAL PROCEDURES ..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARTATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

FLAMMABILITY ..... EXTREMELY FLAMMABLE.  
 IF YES, UNDER WHICH CONDITIONS? ..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
 EXTINGUISHING MEDIA ..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
 UPPER FLAMMABLE LIMIT ..... 19.  
 (% BY VOLUME)  
 LOWER FLAMMABLE LIMIT ..... 1.8.  
 (% BY VOLUME)  
 EXPLOSION DATA  
 SENSITIVITY TO STATIC DISCHARGE ..... NOT APPLICABLE.  
 SENSITIVITY TO IMPACT ..... NOT APPLICABLE.  
 HAZARDOUS COMBUSTION PRODUCTS ..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

AEROSOL FLAME PROJECTION CLASSIFIED AS: ..... >15cm BUT <100cm.  
 FLASHBACK ..... NONE.

**PRODUCT: 01351-380504CN KONK LIVESTOCK RED****Section 05: FIRE FIGHTING MEASURES**FLASH POINT(°C),TAG CLOSED-CUP ..... 13.  
(CONCENTRATE)**Section 06: ACCIDENTAL RELEASE MEASURES**LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND  
NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.**Section 07: HANDLING AND STORAGE**STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.  
ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).  
HANDLING PROCEDURES AND EQUIPMENT..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.  
SYNERGISTIC MATERIALS..... NONE KNOWN.**Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**GLOVES/ TYPE..... WEAR CHEMICAL RESISTANT GLOVES.  
RESPIRATORY/TYPE..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR  
(NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.  
EYE/TYPE..... SAFETY GLASSES.  
FOOTWEAR/TYPE..... NOT NORMALLY REQUIRED.  
OTHER/TYPE..... NOT REQUIRED.**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL STATE..... AEROSOL.  
APPEARANCE..... VARIOUS COLOURS.  
ODOR..... FRAGRANT.  
ODOR THRESHOLD..... NOT AVAILABLE.  
VAPOUR PRESSURE(PSIG)-AEROSOL..... 50 - 60.  
@ 20 C  
BOILING POINT (°C)(CONC)..... >78.5.  
EVAPORATION RATE..... GREATER THAN 1.  
n-BUTYL ACETATE = 1  
VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.  
SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.  
pH..... NOT APPLICABLE.  
SPECIFIC GRAVITY (LIQUID)..... 0.75-0.85.  
COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
FREEZING POINT: (°C)..... NOT AVAILABLE.  
AEROSOL PERCENT VOLATILE..... 92-93.  
(BY WEIGHT).  
SPECIFIC GRAVITY (AEROSOL)..... 0.71-0.75.  
AEROSOL PERCENT VOC (W/W)..... 92-93.**Section 10: STABILITY AND REACTIVITY**HAZARDOUS PRODUCTS OF  
DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS  
INCOMPLETE.  
CHEMICAL STABILITY:  
YES..... UNDER NORMAL CONDITIONS.  
NO, WHICH CONDITIONS?..... NOT APPLICABLE.  
COMPATABILITY WITH OTHER SUBSTANCES:  
NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.  
REACTIVITY CONDITIONS?..... NOT APPLICABLE.**Section 11: TOXICOLOGICAL INFORMATION**REPRODUCTIVE EFFECTS..... NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE  
ANTICIPATED.  
IRRITANCY OF MATERIAL..... SKIN/EYE IRRITANT.  
SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.  
CARCINOGENICITY OF MATERIAL..... THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP,  
(NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA,  
(OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED  
BY IARC,(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH  
(AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).  
TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE  
ANTICIPATED.  
MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE  
ANTICIPATED.

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**Section 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**Section 14: TRANSPORTATION INFORMATION**

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY.  
DOT CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

**Section 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION..... A,B5,D2B.  
HMIS RATING HEALTH..... 2 MODERATE HAZARD.  
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.  
HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.  
NFPA CODE 30B..... LEVEL 2.  
CNFC SECTION 3.3.5..... LEVEL 2.  
AEROSOL PERCENT VOC (W/W)..... 92-93.  
SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS NO INGREDIENTS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

**Section 16: OTHER INFORMATION**

NOTICE FROM KG PACKAGING INC ..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY K-G PACKAGING INC. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. K-G PACKAGING INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

PREPARED BY..... TECHNICAL SERVICES  
PREPARATION DATE ..... Mar31/05