

MSDS for: LN-915**Revised: 9-Feb-2009****SECTION 1:**

PRODUCT IDENTIFIER: LN-915 TUB SURROUND ADHESIVE
DATE OF PREPARATION: FEBRUARY 1, 2008
PRODUCT USE: ADHESIVE

MANUFACTURED BY: AKZO NOBEL
15885 WEST SPRAGUE ROAD
STRONGSVILLE, OHIO 44136, U.S.A.

AKZO NOBEL (CANADA)
8200 KEELE STREET
CONCORD, ONTARIO L4K 2A5, CANADA

EMERGENCY AND MSDS TELEPHONE NUMBER: 1-800-545-2643

MSDS PREPARED BY: PRODUCT SAFETY AND COMPLIANCE DEPARTMENT
AKZO NOBEL NORTH AMERICA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT | | WT. % |
|-------------------|--|--------------|
| CHEMICAL NAME: | CYCLOHEXANE | 1-5 |
| COMMON NAME: | CYCLOHEXANE | |
| CAS NUMBER: | 110-82-7 | |
| CHEMICAL NAME: | LIMESTONE | 40-50 |
| COMMON NAME: | LIMESTONE | |
| CAS NUMBER: | 1317-65-3 | |
| CHEMICAL NAME: | KAOLIN | 1-5 |
| COMMON NAME: | CLAY | |
| CAS NUMBER: | 1332-58-7 | |
| CHEMICAL NAME: | HEPTANE | 1-5 |
| COMMON NAME: | HEPTANE | |
| CAS NUMBER: | 142-82-5 | |
| CHEMICAL NAME: | QUARTZ | 0.1-1.0 |
| COMMON NAME: | QUARTZ | |
| CAS NUMBER: | 14808-60-7 | |
| CHEMICAL NAME: | BENZENE, 1,3-DIETHENYL-, POLYMER WITH 1,3-BUTADIENE AND ETHENYLBENZENE | 5-10 |
| COMMON NAME: | STYRENE-BUTADIENE POLYMER | |
| CAS NUMBER: | 26471-45-4 | |
| CHEMICAL NAME: | HEPTANE, BRANCHED, CYCLIC AND LINEAR | 1-5 |
| COMMON NAME: | HEPTANE, BRANCHED, CYCLIC AND LINEAR | |
| CAS NUMBER: | 426260-76-6 | |

| | | |
|----------------|---|-------|
| CHEMICAL NAME: | SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC | 1-5 |
| COMMON NAME: | LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM) | |
| CAS NUMBER: | 64742-89-8 | |
| CHEMICAL NAME: | ALKENES, ETHYLENE-MANUF.-BY-PRODUCT | 10-20 |
| | PIPERYLENE-CUT, POLYMERS WITH STEAM-CRACKED | |
| | PETROLEUM DISTILLATES | |
| COMMON NAME: | RESIN | |
| CAS NUMBER: | 68131-89-5 | |
| CHEMICAL NAME: | DISTILLATES, PETROLEUM, LIGHT DISTILLATE | 10-20 |
| | HYDROTREAT PROCESS, LOW-BOILING | |
| COMMON NAME: | HYDROTREATED LIGHT DISTILLATE | |
| CAS NUMBER: | 68410-97-9 | |
| CHEMICAL NAME: | RESIN ACIDS AND ROSIN ACIDS, ESTERS WITH GLYCEROL | 1-5 |
| COMMON NAME: | ROSIN GLYCEROL ESTER | |
| CAS NUMBER: | 8050-31-5 | |

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE: INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION

EFFECTS OF OVEREXPOSURE

| | |
|---------------|--|
| INHALATION: | IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO LOSS OF APPETITE, MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, SORE THROAT, COUGHING, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, CONVULSIONS, PNEUMOCONIOSIS, LOSS OF CONSCIOUSNESS, ASPHYXIATION. |
| SKIN CONTACT: | IRRITATION OF SKIN. MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, SEVERE SKIN IRRITATION OR BURNS. |
| EYE CONTACT: | IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION, SEVERE EYE IRRITATION OR BURNS. |
| INGESTION: | INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, CENTRAL NERVOUS SYSTEM DEPRESSION, RESPIRATORY PROBLEMS, INTOXICATION, DIFFICULTY OF BREATHING, PULMONARY EDEMA, CONVULSIONS, LOSS OF CONSCIOUSNESS. |

AGGRAVATED BY EXPOSURE: EYE, SKIN, RESPIRATORY DISORDERS, LUNG DISORDERS,
CARDIAC ABNORMALITIES, SKIN DISORDERS

| | |
|---------------|---|
| INHALATION: | REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING. GET EMERGENCY MEDICAL ATTENTION. HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY. REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT. GET MEDICAL ATTENTION IF DISCOMFORT OR IRRITATION PERSISTS. |
| SKIN CONTACT: | WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. IF IRRITATION OCCURS, CONSULT A PHYSICIAN. |
| EYE CONTACT: | FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT. |
| INGESTION: | IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY. |

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|---------------------|--------------|------------------------|-------|
| FLASH POINT (SETA): | 1 F./ -17 C. | LOWER EXPLOSIVE LIMIT: | 1.2 % |
| | | UPPER EXPLOSIVE LIMIT: | 6.7 % |

UNUSUAL FIRE AND EXPLOSION HAZARDS

FIRE FIGHTING PROCEDURES

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, ACRID FUMES, TOXIC GASES,
SMOKE AND SOOT, OXIDES OF CALCIUM

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. USE NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER. WET DOWN SPILLED MATERIAL WITH WATER. COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.

LARGE SPILLS: SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.

SMALL SPILLS: USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY.

SECTION 7: HANDLING AND STORAGE

STORE BELOW 80F. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES. GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
|--------------|-------------|----------------------|
| COMMON NAME: | CYCLOHEXANE | |
| CAS NUMBER: | 110-82-7 | |
| ACGIH(TWA): | 100 PPM | OSHA(TWA): 300 PPM |
| COMMON NAME: | LIMESTONE | |
| CAS NUMBER: | 1317-65-3 | |
| ACGIH(TWA): | 10 MG/M3 | OSHA(TWA): 5 MG/M3 |
| COMMON NAME: | CLAY | |
| CAS NUMBER: | 1332-58-7 | |
| ACGIH(TWA): | 2 MG/M3 | OSHA(TWA): 5 MG/M3 |
| COMMON NAME: | HEPTANE | |
| CAS NUMBER: | 142-82-5 | |
| ACGIH(TWA): | 400 PPM | OSHA(TWA): 500 PPM |
| ACGIH(STEL): | 500 PPM | |
| COMMON NAME: | QUARTZ | |
| CAS NUMBER: | 14808-60-7 | |
| ACGIH(TWA): | 0.025 MG/M3 | OSHA(TWA): 0.1 MG/M3 |

COMMON NAME: LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)
CAS NUMBER: 64742-89-8
OSHA(TWA): 300 PPM

COMMON NAME: HYDROTREATED LIGHT DISTILLATE
CAS NUMBER: 68410-97-9
OSHA(TWA): 500 PPM

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS. USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES,
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING, FACE SHIELD

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|----------------------|-----------------|----------------------|-----------------|
| VAPOR PRESSURE: | NOT AVAILABLE | SPECIFIC GRAVITY: | 1.272 |
| BOILING RANGE (F/C): | 182-220/ 83-104 | WEIGHT PER GALLON: | 10.59/12.72 IMP |
| APPEARANCE: | TAN | %VOLATILE BY VOLUME: | 45.23 |
| PHYSICAL STATE: | PASTE | SOLUBLE IN WATER: | NO |
| PH: | N/A | | |

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS: STABLE (SEE SECTION 5 FIRE FIGHTING MEASURES)

MATERIALS TO AVOID: OXIDIZERS, ACIDS, HALOGENS, AMMONIUM SALTS, PEROXIDES, STYRENE MONOMER

CONDITIONS TO AVOID: ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, SPARKS, OPEN FLAME, IGNITION SOURCES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

| | | | | |
|----------------------------|---|------------|---------|--------------|
| COMMON NAME: | CYCLOHEXANE | | | |
| CAS NUMBER: | 110-82-7 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| LD50: | > 180.00 GM/KG SKN RBT | | | |
| LD50: | 12.70 GM/KG ORL RAT | | | |
| LC50: | 70.00 PPM IHL MAM | | | |
| | | | | |
| COMMON NAME: | LIMESTONE | | | |
| CAS NUMBER: | 1317-65-3 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| LD50: | 6450.00 MG/KG ORL RAT | | | |
| | | | | |
| COMMON NAME: | CLAY | | | |
| CAS NUMBER: | 1332-58-7 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| | | | | |
| COMMON NAME: | HEPTANE | | | |
| CAS NUMBER: | 142-82-5 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| LD50: | 222.00 MG/KG IVN MOU | | | |
| | | | | |
| COMMON NAME: | QUARTZ | | | |
| CAS NUMBER: | 14808-60-7 | | | |
| CARCINOGENICITY LISTED BY: | NTP YES | IARC YES 1 | OSHA NO | ACGIH YES A2 |
| | | | | |
| COMMON NAME: | HEPTANE, BRANCHED, CYCLIC AND LINEAR | | | |
| CAS NUMBER: | 426260-76-6 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| | | | | |
| COMMON NAME: | LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM) | | | |
| CAS NUMBER: | 64742-89-8 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| LD50: | > 3.16 GM/KG SKN RBT | | | |
| LD50: | > 5.00 GM/KG ORL RAT | | | |
| | | | | |
| COMMON NAME: | RESIN | | | |
| CAS NUMBER: | 68131-89-5 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| | | | | |
| COMMON NAME: | HYDROTREATED LIGHT DISTILLATE | | | |
| CAS NUMBER: | 68410-97-9 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| | | | | |
| COMMON NAME: | ROSIN GLYCEROL ESTER | | | |
| CAS NUMBER: | 8050-31-5 | | | |
| CARCINOGENICITY LISTED BY: | NTP NO | IARC NO | OSHA NO | ACGIH NO |
| LD50: | > 5000.00 MG/KG ORL RAT | | | |
| LD50: | > 5000.00 MG/KG SKN RBT | | | |

SUPPLEMENTAL HEALTH INFORMATION

CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN.

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED 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. OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO CENTRAL NERVOUS SYSTEM.

CARCINOGENICITY: CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CRYSTALLINE SILICA AS CARCINOGENIC TO HUMANS (GROUP 1). CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE. THE NATIONAL TOXICOLOGY PROGRAM (NTP) HAS CLASSIFIED CRYSTALLINE SILICA AS A KNOWN HUMAN CARCINOGEN.

REPRODUCTIVE EFFECTS: NO REPRODUCTIVE EFFECTS ARE ANTICIPATED

MUTAGENICITY: NO MUTAGENIC EFFECTS ARE ANTICIPATED

TERATOGENICITY: NO TERATOGENIC EFFECTS ARE ANTICIPATED

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL TESTING HAS BEEN DONE BY AKZO NOBEL ON THIS PRODUCT AS A WHOLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT: UN1133, ADHESIVES, 3, PGIII, ERG 128

IMDG: UN1133, ADHESIVES, CLASS 3, PG III, LTD QTY, (IMDG 3.4.7,2.3.2.3) ERG128

IATA: ID8000, CONSUMER COMMODITY, 9

TDG: NOT AVAILABLE

SECTION 15: REGULATORY INFORMATION

| | | | | | |
|--|-------------|-------------|-----------------|----------------------|-------------------|
| | SARA 302 | SARA 313 | CERCLA 302.4 | HAZ AIR POLLUTANT | MARINE POLNTNT |
| CAS NUMBER: 110-82-7 COMMON NAME: CYCLOHEXANE | NO | YES | YES | NO | NO |

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH AKZO NOBEL BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. AKZO NOBEL SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL. COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.