

1. WHAT IS AMMONIUM NITRATE?

A CRYSTAL SALT IS CONSIDERED A HAZARD AND TOXIC. ITS STRONG OXIDIZING AGENT CAN CAUSE COMBUSTIBLE MATERIALS TO IGNITE. AMMONIUM NITRATE WHEN MIXED WITH WATER CAN CAUSE IRRITATION TO EYES, NOSE AND SKIN. AMMONIUM NITRATE UNDER CONDITIONS OF HEAT OR PRESSURE IN A CONFINED SPACE IS CAPABLE OF EXPLODING.

2. WHAT IS UREA?

UREA IS A SAFER ALTERNATIVE FOR AMMONIUM NITRATE. A CRYSTAL PRILLS THAT IS CONSIDERED TO BE SAFE, NON-TOXIC AND HAZMAT-FREE. THIS PRODUCT IS NON-FLAMMABLE AND NON-COMBUSTIBLE AND WILL NOT BURN. UREA LIKE AMMONIUM NITRATE IS USED AS A FERTILIZER, FEED ADDITIVE IN THE AGRICULTURE INDUSTRY. (MSDS IS AVAILABLE).

3. WHAT IS CARBAMAKOOL?

IS A PROPRIETARY COOLING AGENT TO ESTABLISH COLDER AND LONGER LASTING COOLING TEMPERATURES AS THEY RELATE TO THE INITIAL ONSET AND DURATION OF COLD.(MSDS IS AVAILABLE).

4. DOES INSTAKOOL INSTANT COLD PACKS MEET AMERICAN NATIONAL STANDARD MINIMUM REQUIREMENTS?

YES, WITH TEST INFORMATION PROVIDED INSTAKOOL MEETS (ANSI) Z308.1-2203. INSTAKOOL MET TEMPERATURE REQUIREMENTS AT ACTIVATION AND TEMP REQUIREMENTS AFTER 15 MINUTES UNDER NORMAL PRESSURE WITH NO VISIBLE LEAKAGE.

5. WHAT IF ANY, TESTING HAS BEEN DONE ON PACKAGING OF THE INSTAKOOL OR THE PRODUCT ITSELF?

OUR BAGS ARE CONSTRUCTED OF LOW DENSITY POLYETHYLENE FILM LAMINATED TOGETHER SO THAT THE ORIENTATION OF THE FILM OF THE TWO PLYS IS AT RIGHT ANGLES TO EACH OTHER. THE MINIMUM THICKNESS OF THE BAG MUST BE NOT LESS THAN 5 MILS.

THE BAGS MEET THE FOLLOWING TEST REQUIREMENTS:

1. TENSILE STRENGTH @ BREAK (ASTM D882)
2. DART IMPACT STRENGTH (ASTM D1709A)
3. ELMENDORF TEAR (ASTM D1922)
4. ULTIMATE ELONGATION (ASTM D882)
- VALUES PROVIDED ON SPECIFICATION SHEET. THE VALUES STATED REFERS TO THE FORCE, GIVEN IN POUNDS PER SQUARE INCH, THAT ARE REQUIRED AT WHICH THE POLY MENTIONED OF A SPECIFIED THICKNESS AND SEALED TO ITSELF WILL BREAK.

6. BESIDES THE TESTING METHODS, WHAT ARE THE BENEFITS OF THIS PARTICULAR POLY.

- EXCELLENT ADHESION IN SEALING
- OUTSTANDING COLD STABILITY
- LOW APPLICATION TEMPERATURE
- COLORLESS PRODUCT APPLICATIONS
- EXCELLENT RESISTENCE AND MAINTAINS FLEXIBILITY

7. WHAT IS THE COST OF SHIPPING A STANDARD INSTANT COLD PACK THAT CONTAINS HAZMAT PROPERTIES SUCH AS AMMONIUM NITRATE?

AVERAGE COST PER CASE TAKING WEIGHT INTO CONSIDERATION PER STATE IS ABOUT \$5.00/CASE. WITH CARRIERS SUCH AS UPS, FEDERAL EXPRESS COST PER CASE IS \$20.00/CASE. COST PER PALLET MAY RANGE FROM \$175 TO \$250.

8. IS AN ORM-D LABEL REQUIRED ON A BOX OR CASE OF INSTAKOOL?

NO ORM-D LABEL IS REQUIRED BECAUSE OF INSTAKOOL'S HAZMAT-FREE PROPERTIES.

9. ANY AVAILABLE INFORMATION ON STRENGTH OF NORTECH'S CORRUGATED FIBREBOARD BOXES? "WANT TO MAKE SURE THAT THESE COLD PACKS ARE WELL PROTECTED."

NORTECH'S SINGLE WALL CORRUGATED FIBREBOARD IS CERTIFIED TO MEET GUIDELINES TO HELP ASSURE THE CONTAINMENT AND PROTECTION OF PRODUCT. ALL PACKAGED PRODUCTS ARE IN ACCORDANCE WITH INDUSTRY PERFORMANCE TEST METHOD TO MEET MINIMUM (ECT). EDGE CRUSH TEST.

10. WHAT IS A HAZMAT?

HAZMAT IS A REGULATORY TERM USED BY THE US (DOT) TO REFER TO ANY SUBSTANCE OR MATERIAL THAT POSES AN UNREASONABLE RISK TO HEALTH, SAFETY OR PROPERTY WHEN TRANSPORTED IN COMMERCE. HAZMAT IS ALSO KNOWN AS "HAZARDOUS MATERIAL" OR "DANGEROUS GOODS" CAN INCLUDE, AMONG OTHER THINGS, MANUFACTURED ITEMS AND COMMERCIAL PRODUCTS.

11. AT THE PRESENT TIME, WHAT IS LEGISLATION DOING ABOUT AMMONIUM NITRATE?

THE AMMONIUM NITRATE SECURITY ACT WAS PASSED IN MARCH OF 2005 TO REGULATE USE OF AMMONIUM NITRATE. THIS INITIAL SECURITY ACT IS AN INTRODUCTION IN RESTRICTING THE SALE OF AMMONIUM NITRATE IN THE FUTURE TO PREVENT THE POTENTIAL MISUSE OF AMMONIUM NITRATE. THE U.S. ALONG WITH OTHER COUNTRIES ARE TAKING STEPS TO INTRODUCE A LICENSING AND PERMIT SYSTEM FOR THE USE, MANUFACTURE, STORAGE, TRANSPORT, SUPPLY, IMPORT AND EXPORT OF AMMONIUM NITRATE. AMMONIUM NITRATE IS REQUIRED TO STORE AND HANDLE MATERIAL SAFELY AND SECURELY.

12. WHAT IS THE FUTURE OF AMMONIUM NITRATE?

IN THE MID 70'S THERE WERE A NUMBER OF AMMONIUM NITRATE MAKERS AND SUPPLIERS. AS OF SEPTEMBER OF 2005, THERE WERE 2 SUPPLIERS ONE IN CANADA AND ONE IN THE U.S. AS OF OCTOBER 14TH, 2005, A KEY CANADIAN SUPPLIER MOVED TO ELIMINATE AMMONIUM NITRATE COMPLETELY. THERE IS OFFICIALLY, ONE SUPPLIER LEFT IN THE U.S.