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SDS

Common Name: INSTANT COLD PACK

Manufacturer: HONEYWELL SAFETY PRODUCTS

SDS Revision Date: 4/1/2015

SDS Format: ANSI-OSHA

Grainger Item Number(s): 14N215, 2AG23, 4T362, 8LAF2

Manufacturer Model Number(s):

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SAFETY DATA SHEET

HONEYWELL

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



1. IDENTIFICATION:

PRODUCT IDENTIFIER: INSTANT COLD PACK

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 020667, 032042, 30100K, 30185MK, 80100K, 80185MK

RECOMMENDED USE: RELIEVE PAIN, SWELLING AND INFLAMMATION FROM INJURY

RECOMMENDED RESTRICTIONS: NONE KNOWN

MANUFACTURER / IMPORTER / SUPPLIER / DISTRIBUTOR INFORMATION:

COMPANY NAME: HONEYWELL SAFETY PRODUCTS

ADDRESS:
900 DOUGLAS PIKE
SMITHFIELD, RI 02917

PHONE: 1-800-873-5242

CONTACT PERSON: HSPTECHSUPPORT@HONEYWELL.COM

EMAIL: MSDS@CHEMTEC.COM

EMERGENCY PHONE: +1-703-741-5500 FOR USA/CANADA

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

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LIST 1. THE COMPOSITION OF THE PRODUCT.

CHEMICAL NAME	PERCENT (BY WEIGHT)	CAS NO.	EC#	MITI NO.
CALCIUM AMMONIUM NITRATE (WITH CRYSTAL WATER)	</=40%	15245-12-2	UNLISTED	
WATER	>/=50%	7732-18-5	UNLISTED	

NOTE:
CALCIUM AMMONIUM NITRATE (WITH CRYSTAL WATER) IS A COMPOUND AND ITS
INGREDIENTS ARE LISTED IN LIST 2.

LIST 2. THE INGREDIENTS OF CALCIUM AMMONIUM NITRATE

CHEMICAL NAME	CAS NO	PERCENT	HAZARDOUS
CALCIUM NITRATE WITH CRYSTAL WATER	10124-37-5 (ANHYDROUS)	81%	NO
AMMONIUM NITRATE WITH CRYSTAL WATER	13477-34-4 (TETRAHYDRATE)	7%	NO

CRYSTAL WATER 12% NO

SECTION 3 - HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

POTENTIAL ACUTE HEALTH EFFECTS:

HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INGESTION, OF INHALATION.

HAZARD SORTS: NONE.

POTENTIAL HEALTH EFFECTS:

EYE: MAY CAUSE EYE IRRITATION.

SKIN: MAY CAUSE SKIN IRRITATION. LOW HAZARD FOR USUAL INDUSTRIAL HANDLING.

INGESTION:

INGESTION OF LARGE AMOUNTS MAY CAUSE GASTROINTESTINAL IRRITATION. LOW HAZARD FOR USUAL INDUSTRIAL HANDLING.

INHALATION:

MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT AND BRONCHI.

SECTION 4 - FIRST AID MEASURES



INHALATION:

REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS OCCUR.

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING, GIVE SEVERAL GLASSES OF WATER OR MILK TO DRINK. IF LARGE AMOUNTS WERE SWALLOWED OR SYMPTOMS OCCUR, GET MEDICAL ADVICE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

SKIN CONTACT: WASH THE AFFECTED AREA WITH SOAP AND WATER

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SECTION 5 - FIRE FIGHTING MEASURES



FLUSH POINT: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT APPLICABLE.

EXPLOSION LIMITS:

LOWER: NOT AVAILABLE.

UPPER: NOT AVAILABLE.

IF SUBSTANCE IS NOT DIRECTLY INVOLVED IN THE FIRE, USE THE BEST MEANS AVAILABLE TO EXTINGUISH THE FIRE.

IF SUBSTANCE IS INVOLVED IN THE FIRE, USE PLENTY OF WATER. DO NOT USE CHEMICAL EXTINGUISHERS OR FOAMS OR ATTEMPT TO SMOTHER THE FIRE WITH STEAM OR SAND.

OPEN DOORS AND WINDOWS OF THE STORE TO GIVE MAXIMUM VENTILATION. DO NOT ALLOW MOLTEN SUBSTANCE TO RUN INTO DRAINS. PREVENT CONTAMINATION OF THE SUBSTANCE BY OILS OR OTHER COMBUSTIBLE MATERIALS. IF WATER CONTAINING FERTILIZER ENTERS ANY DRAINS OR WATERCOURSE, INFORM THE LOCAL AUTHORITIES IMMEDIATELY.

IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND APPROVED SELF-CONTAINED BREATHING APPARATUS, IF FUMES ARE BEING ENTERED.

SECTION 6 - ACCIDENTAL RELEASE MEASURES



VENTILATE AREA OF LEAK OR SPILL. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AS SPECIFIED IN SECTION 8.

SPILLS:

PICK UP AND PLACE IN A SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL, USING A METHOD THAT DOES NOT GENERATE DUST.

SECTION 7 - HANDLING AND STORAGE



GENERAL INFORMATION:

THIS PRODUCT SHOULD BE STORED, HANDLED AND USED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES AND IN CONFORMITY WITH ANY LEGAL REGULATION. WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD.

STORAGE:

STORE IN A CLOSED CONTAINER. STORE IN A COOL, DRY, AND WELL-VENTILATED AREA AND KEEP AWAY FROM INCOMPATIBLE SUBSTANCES, FOOD, DRINK AND DUST/IMPURITIES. INSPECT REGULARLY FOR DEFICIENCIES SUCH AS DAMAGE OR STORAGE AREA SHOULD BE EQUIPPED WITH THE CORRESPONDING SPECIES AND QUANTITY OF FIRE EQUIPMENT AND LEAKAGE EMERGENCY EQUIPMENT. STORE PROTECTED FROM MOISTURE.

HANDLING:

ENSURE GOOD LOCAL EXHAUST VENTILATION. HANDLE AND OPEN CONTAINER WITH CARE.

KEEP CONTAINER CLOSED AND AWAY FROM INCOMPATIBLE SUBSTANCES, FOOD, DRINK AND DUST/IMPURITIES. PROTECT FROM HUMIDITY AND WATER. MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID DUST CONTACT WITH EYES. AVOID BREATHING DUST AND FUME. AVOID INGESTION. REMOTE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE, THE WORK AREA SHOULD BE EQUIPPED WITH THE CORRESPONDING SPECIES AND QUANTITY OF FIRE EQUIPMENT AND LEAKAGE EMERGENCE EQUIPMENT.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION



EXPOSURE LIMIT: NO EXPOSURE LIMITS IS LISTED FOR THIS PRODUCT.

MONITORING METHODS: NO INFORMATION FOUND.

ENGINEERING CONTROLS:

USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW. FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER.

PERSONAL PROTECTIVE EQUIPMENT:

EYES:

DUST SERVICE GOGGLES SHOULD BE WORN TO PREVENT MECHANICAL INJURY OR OTHER IRRITATION TO EYES DUE TO AIRBORNE PARTICLES WHICH MAY RESULT FROM HANDLING PRODUCT.

SKIN AND CLOTHING:

WEAR APPROPRIATE PROTECTIVE CLOTHING, AND GLOVES TO PREVENT SKIN CONTACT.

RESPIRATORS:

AN APPROPRIATE RESPIRATOR OR MASK SHOULD BE USED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. A FULL FACE POSITIVE PRESSURE SUPPLIED-AIR RESPIRATOR OF A SELF CONTAINED BREATHING APPARATUS SHOULD BE USED WHEN LARGE SPILLED OR FIRE.

OTHER PROTECTION:

TO MAINTAIN GOOD HEALTH HABITS, EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WASH HANDS. FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: WHITE GRANULES

ODOR: ODORLESS.

MOLECULAR FORMULA: 5Ca(NO3)2 · NH4NO3 · 10H2O

MOLECULAR WEIGHT: 1080.71

WATER SOLUBILITY: SOLUBLE IN WATER.

BULK DENSITY: NORMAL BETWEEN 1000-1200 KG/M3.

PH : 5.0% (1% AQUEOUS SOLUTION)

% VOLATILES BY VOLUME/21 DEG. C(70F): NO INFORMATION FOUND.

BOILING POINT: NO INFORMATION FOUND.

MELTING POINT: 100-104 DEG. C

DECOMPOSITION TEMPERATURE: NO INFORMATION FOUND.

FLASH POINT (CLOSED CUP): NO INFORMATION FOUND.

EXPLOSION LIMIT: NO INFORMATION FOUND.

VAPOR DENSITY (AIR=1): NO INFORMATION FOUND.

VAPOR PRESSURE (MM Hg): NO INFORMATION FOUND.

USAGE: PHYSICAL HOT AND COLD THERAPY.

SECTION 10 - STABILITY AND REACTIVITY

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STABILITY: STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

REACTIVITY: NO INFORMATION FOUND..

CONDITIONS TO AVOID: INCOMPATIBLE MATERIALS, DUST GENERATION.

INCOMPATIBILITIES WITH OTHER MATERIALS: REACTIVE WITH OXIDIZING AGENTS.

CORROSIVITY: NON-CORROSIVE IN PRESENCE OF GLASS.

HAZARDOUS POLYMERIZATION: NO.

SECTION 11 - TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:

ORAL RAT LD50: >2000 MG/KG.

SECTION 12 - ECOLOGICAL INFORMATION

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ENVIRONMENTAL DATE: NO INFORMATION FOUND.

ENVIRONMENTAL TOXICITY: NO INFORMATION FOUND.

ECOLOGICAL DEGRADATION: NOT AVAILABLE.

BIOLOGY DEGRADATION:
POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY.
HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARISE.

SECTION 13 - DISPOSAL CONSIDERATIONS



WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE MANAGED IN AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

SECTION 14 - TRANSPORT INFORMATION



NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION.

(TDG: IMDG CODE: IATA DGR)

UN NUMBER: N/A

UN PROPER SHIPPING NAME: N/A

UN CLASSIFICATION: N/A

PACKING GROUP: N/A

PACKAGING SIGN: N/A

TRANSPORT FASHION: N/A

SECTION 15 - REGULATORY INFORMATION



REGULATORY INFORMATION:
REFERENCE TO THE LOCAL, NATIONAL. US. EU. CA. JAPAN AND INTERNATIONAL REGULATIONS.

SECTION 16 - ADDITIONAL INFORMATION



ISSUE TIME: 2015-04-01

ISSUE DEPARTMENT: TECHNICAL DEPARTMENT

DATA REVIEW UNIT:

MODIFICATION RECORD:

NOTICE TO READER:

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE.
HOWEVER, NEITHER THE ABOVE NAMED SUPPLIER NOR ANY OF ITS SUBSIDIARIES
ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE
INFORMATION CONTAINED HEREIN.

FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE
RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND
SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN,
WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.