

MATERIAL SAFETY DATA SHEET
HJP INC.

A. GENERAL INFORMATION

Emergency Contact: **1-800-472-1498**

Trade Name (common name or synonym)

ICE MELT DOWN

Chemical Name

PROPRIETARY

Formula

PROPRIETARY

Address (No., Street, City, State and Zip Code)

HJP INC.

5205 WEST HUME RD.

LIMA, OH 45806

Contact

HJP INC.

Phone Number

(419) 991-8242

Issue Date

JULY 1989

Revised Date

11/15/04

B. FIRST AID

EYES: PROMPTLY FLUSH WITH WATER, CONTINUING FOR 15 MINUTES. EYELIDS SHOULD BE HELD AWAY FROM THE EYEBALL TO ENSURE THOROUGH RINSING. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN IMMEDIATELY.

SKIN: WASH AREA OF CONTACT THOROUGHLY WITH SOAP AND WATER. LAUNDER CLOTHING BEFORE REUSE.

INHALATION: REMOVE AFFECTED PERSON FROM SOURCE OF EXPOSURE. IF NOT BREATHING, ENSURE OPEN AIRWAY AND INSTITUTE CPR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN IF AVAILABLE GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. KEEP AFFECTED PERSON WARM AND TREAT FOR SHOCK. GET MEDICAL ATTENTION. A SINGLE DOSE OF 100 GRAMS HAS REPORTEDLY CAUSED MILD SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION (DROWSINESS, ETC.)

NOTICE

Seller warrants that this product conforms to the specifications stated herein. Buyer assumes all risks associated with the possession, use, mixing, blending, treatment, storage, disposal, transportation and handling of the product, whether alone or in combination with other substances. SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATEVER, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF QUALITY MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. Seller's liability is limited to the product price. In the event of any medical emergency involving this product, seek professional assistance or contact a Poison Control Center immediately.

C. HAZARDS INFORMATION - Health**Inhalation**

MAY CAUSE RESPIRATORY TRACT IRRITATION, ALTHOUGH NO INCIDENTS OF DUST INHALATION HEALTH EFFECTS HAVE BEEN REPORTED.

Ingestion

DOMESTIC ANIMAL ORAL LD50 = 511 MG/KG. MAY CAUSE GASTROINTESTINAL DISTURBANCES. SYMPTOMS MAY INCLUDE IRRITATION, NAUSEA, VOMITING AND DIARRHEA. A SINGLE DOSE OF 100 GRAMS HAS REPORTEDLY CAUSED MILD SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION E.G. DROWSINESS AND SLOW REFLEXES.

Skin

SLIGHTLY IRRITATING. REPEATED OR PROLONGED CONTACT MAY CAUSE REDDENING, ITCHING AND INFLAMMATION. WASH AFFECTED AREAS WITH SOAP AND WATER IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

Eyes

PROMPTLY FLUSH WITH WATER CONTINUING FOR 15 MINUTES. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

Permissible Concentration

Air: NONE ESTABLISHED BY OSHA. 15 MG/M3 TOTAL DUST (TOTAL IMD) PEL 5 MG/M3 - RESPONSIBLE 10 MG/M3 - TLV

Biological: NONE ESTABLISHED.

Unusual chronic toxicity

NONE KNOWN. ICE MELT DOWN IS A NATURALLY OCCURRING CHEMICAL IN THE BODY. IT IS AN END PRODUCT OF PROTEIN METABOLISM AND IS EXCRETED IN THE URINE.

Flash Point:

N/A

Auto Ignition:

Temperature: N/A

Flammable Limits in air (% by vol):

Upper: NOT APPLICABLE

Lower: NOT APPLICABLE

Unusual fire and explosion hazards

HEATING ABOVE 270 DEG F DECOMPOSES TO BIURET, AMMONIA, AND NITROGEN OXIDES.

SHORT TERM EXPOSURES TO SMOKE AND GASES MAY LEAD TO IRREVERSIBLE LUNG INJURY WITHOUT EARLY SIGNS AND SYMPTOMS.

C. HAZARDS INFORMATION - Fire and Protection

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Fire extinguishing agents RECOMMENDED

ALL STANDARD AGENTS ARE ACCEPTABLE. USE EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE. MATERIAL ITSELF BURNS WITH DIFFICULTY. ICE MELT DOWN BECOMES SLIPPERY WHEN WET – GUARD AGAINST SLIPS AND FALLS.

Fire extinguishing agents to avoid:

NONE

Special fire fighting precautions

IRRITATING TOXIC SUBSTANCES MAY BE EMITTED UPON THERMAL DECOMPOSITION. EXPOSED FIREFIGHTERS SHOULD WEAR MSHA/NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE AND FULL PROTECTIVE CLOTHING. MAY FORM EXPLOSIVE MIXTURES IF MIXED WITH STRONG ACID (NITRIC/PERCHLORIC)

Ventilation

PROVIDE LOCAL OR GENERAL VENTILATION TO KEEP NUISANCE DUST LIMIT OF 15 MG/M3.

Normal Handling

AVOID CONTACT WITH THE EYES. AVOID REPEATED OR PROLONGED CONTACT WITH THE SKIN OR CLOTHING. AVOID DUST INHALATION. CONTACT LENSES SHOULD NOT BE WORN.

Storage

STORE IN CLOSED CONTAINERS IN COOL, DRY, ISOLATED, WELL VENTILATED AREA AWAY FROM HEAT, SOURCES OF IGNITION AND INCOMPATIBLES. AVOID CONTAMINATION: WITH OTHER “LOOK ALIKE” MATERIALS THAT MAY PRODUCE A FIRE OR EXPLOSION

Spill or Leak

IF UNCONTAMINATED, RECOVER AND REUSE AS PRODUCT. PREVENT LARGE QUANTITIES FROM CONTACTING VEGETATION OR WATERWAYS.

D. PRECAUTIONS/PROCEDURES

Respiratory protection

NORMALLY NONE NEEDED. USE NIOSH/MSHA APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED. NIOSH/MSHA APPROVED BREATHING EQUIPMENT MUST BE AVAILABLE FOR NON-ROUTINE AND EMERGENCY USE.

Eyes and face

WEAR SAFETY GLASSES OR CHEMICAL GOGGLES TO PREVENT EYE CONTACT. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH THIS SUBSTANCE. HAVE EYE WASH FACILITIES AVAILABLE WHERE EYE CONTACT COULD OCCUR.

Hands, arms, and body

NORMALLY NOT NEEDED. WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. SUGGESTED PROTECTIVE MATERIALS ARE: BUTYL RUBBER.

Other clothing and equipment

NORMALLY NOT REQUIRED.

E. PERSONAL PROTECTIVE EQUIPMENT

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Material is (at normal conditions)	Appearance and Odor
[] LIQUID	WHITE SOLID, SPHERICAL OR GRANULAR
[x] SOLID	SHAPE WITH SLIGHT AMMONIA ODOR.
[] GAS	

Boiling Point: N/A
 Melting Point: 271 DEGREES F
 Specific Gravity (H2O=1): N/A
 Vapor Density (Air=1) : N/A

Solubility in Water (by wt.)	pH	Vapor Pressure
119 GM/100 GM @ 68 DEGREES F	7-10	(mm Hg at 20 C)
	(10%AQUEOUS SOLUTION)	

Evaporation Rate (at 20 C)	%Volatiles by volume:
(Butyl Acetate=1) (Ether = 1)	NOT APPLICABLE
Time:NOT APPLICABLE	

Stability	Conditions to Avoid
Unstable	MAY SLOWLY HYDROLYZE TO AMMONIUM CARBAMATE ON LONG STANDING WHICH DECOMPOSES TO AMMONIA AND CARBON DIOXIDE.
IXI Stable	

Incompatibility (materials to avoid)

AVOID CONTACT WITH STRONG OXIDIZERS, ACIDS OR BASES. AVOID CONTACT WITH NITRATES. REACTS WITH SODIUM OR CALCIUM HYPOCHLORITE TO FORM EXPLOSIVE NITROGEN TRICHLORIDE.

Hazardous decomposition products

DECOMPOSES TO AMMONIA, BIURET, NITROGEN OXIDES, CARBON OXIDES

Hazard polymerization	Conditions to Avoid
IXI	

May Occur Will Not Occur:

F. PHYSICAL DATA

Material or Composition/C.A.S.	Wt.%	Hazard Data (see Sect. K)
NONE		

G. REACTIVITY DATA

H. HAZARDOUS INGREDIENTS (MIXTURES ONLY)

