

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-314-771-5765

DATE 11/27/96 CUST#: 2-043-15940 PO#: 83749

SCHOOLCRAFT COLLEGE ATTN JOEL WATKINS 18600 HAGGERTY ROAD LIVONIA MI 48152-3932

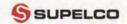
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LABEL PRECAUTIONARY STATEMENTS IRRITANT IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING.																										
SECON	4.				-	-	-		FI	RSI	r-A	ID	M	EAS	UF	RES	5-	-			-		-			
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN. IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.																										
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SHEET MATERIAL SAFETY DATA

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CATALOG #: NAME:

IR120PLUS AMBERLITE RESIN SODIUM FORM GEL TYPE

REFER TO SECTION 8.

ADDITIONAL INFORMATION
THE MAXIMUM OPERATING TEMPERATURE THAT IS RECOMMENDED IS 75 C.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION-

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP CONTAINER CLOSED.
STORE IN A COOL DRY PLACE.
DRY ION EXCHANGE RESINS EXPAND WHEN WETTED, WHICH MAY CAUSE COLUMN TO SHATTER.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES -

APPEARANCE AND ODOR MOIST YELLOW TO BROWN BEADS

PHYSICAL PROPERTIES
AUTOIGNITION TEMPERATURE:
VAPOR PRESSURE: 17MM
SOLUBILITY: 800 F 17MM 20 C WATER -INSOLUBLE
VAPOR DENSITY: >1
ADDITIONAL INFORMATION
SPECIFIC GRAVITY: 1.1-1.4 (WATER=1)
PH: 7-9 AQUEOUS SLURRY

SECTION 10. - -- - - - STABILITY AND REACTIVITY -

STABILITY STABLE.

CONDITIONS TO AVOID
DRY ION EXCHANGE RESINS EXPAND WHEN WETTED, WHICH MAY CAUSE COLUMN
TO SHATTER. AVOID TEMPERATURES OVER 220 C.

INCOMPATIBILITIES
NITRIC ACID AND OTHER STRONG OXIDIZING AGENTS CAN CAUSE EXPLOSIVE
TYPE REACTIONS WHEN MIXED WITH ION EXCHANGE RESINS.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

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IR120PLUS

AMBERLITE RESIN SODIUM FORM GEL TYPE

TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE SULFUR OXIDES STYRENE MONOMER AND DIVINYLBENZENE MAY ALSO FORM.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11. - -- - - TOXICOLOGICAL INFORMATION - -

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
CAUSES SKIN IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. -- ECOLOGICAL INFORMATION -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - DISPOSAL CONSIDERATIONS

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - TRANSPORT INFORMATION - - -

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - -- - - - REGULATORY INFORMATION -

EUROPEAN INFORMATION CAUTION: SUBSTANCE NOT YET FULLY TESTED. IRRITANT R 36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

ĬN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 16. - - -- - - - OTHER INFORMATION- -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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MATERIAL SAFETY DATA SHEET

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CATALOG #:

IR120PLUS AMBERLITE RESIN SODIUM FORM GEL TYPE

P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

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