Atlantic Chemical Equipment Co. 3471 Atlanta Industrial Parkway Suite 200 Atlanta, GA 30331 404-505-6526

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NICKEL SAFE ICE MACHINE CLEANER (NSC)

EMERGENCY PHONE: 1-800-424-9300						VII - PRECAUTIONS FOR SAFE HANDLING AND USE		
					STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:			
May be used to comply with OSHA'S Hazard Communications Standard (HSC) 28 CRF 1910, 1200.					HMIS SYMBOLS		SMALL SPILLS: Neutralize with sodium bicarbonate; dilute and wash to drain. LARGE SPILLS: Large spills cannot occur.	
Standard must be consulted for specific requirements. This product contains no substances subject to SARA TITLE III and 40 CRF,				HEALTH 2				
no substances subject to	SARA TITLE III and 40 CRF.		FLAMMABILITY 0		WASTE DISPOSAL M	IETHOD: Deposit in tandfill in a	ecordance with Local, State, and Federal regulations.	
				REACTIVITY	q			
1 - IDENTIFICATION						VIII - SPECIAL PROTECTION INFORMATION		
PRODUCT NAME: (NSC) NICKEL SAFE ICE MACHINE CLEANER PACKAGE TYPE: [6 oz & 1 gal						RESPIRATORY: Re	quired in misting application in or	rder to keep TLV below limits. Use HEPA with mists cartridge.
PREPARED DEPART	MENT OF HAZARDOUS COM!	JUNICATIONS	DATE PREPARED: Jur	ъс 2010				
						EYE: Chemical goggle	s recommended	
DEDICINA CITA 2			INGREDIENTS					
Phosphoric Acid 85%	ARDOUS COMPONENT(S)	CAS NO 7664-38-2	ACGIH TLV	OSHA PEL	% or RANGE	SKIN: Required to pre	vent all skin contact	PROTECTIVE GLOVES: Recommended - Chemical resistant rubber or
1 '			1 mg/m³	STEL 3 mg/m ³	< 28			plastic gloves
Glycelia Acid 70%		79-14-1	N.E.	N.E.	< 5	OTHER: Do not eat, drink, or smoke in work area. Wash hands before eating.		
						VENTILATION REQUIREMENTS: Local exhaust adequate.		
		1	1			IX - SPECIAL PRECAUTIONS		
III - PHYSICAL DATA		AL DATA			PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in use.			
BOILING POINT (°F)	1 1120E		GRAVITY (H ₂ 0= 1) : 1.18	l		-	or man	DE DE DE CONTRACTOR COMO MINTE INDI IN USE.
VAPOR PRESSURE (mm Hg): 15 MELTING POINT: N.A.					SPECIAL PRECAUT	IONADV CTATEMENTO, V.	p this and all chemicals out of reach of children.	
VAPOR DENSITY (Air			TION RATE (H ₂ 0 - I) ;	1			10.7111 D171112.412.1101 RCC	y with sing on conducting but he stand by condition.
pH : 1.0			NCE AND ODOR : Clear		·	NOTICE: We believe	that the information contained of	on this material safety data sheet is accurate. The suggested procedures are based
SOLUBILITY IN WAT	ER : Complete					experience as of the date of publication. They are not necessarily nor fully adequate in every circumstance. Also, the suggestions should not		
	IV - FIRE	AND EXPLOS	ION HAZARD D	ATA		confused with nor follo	wed in violation of applicable las	ws, regulations, rules or insurance requirements. No warranty, expressed or implied,
FLAMMABILITY as per CPSC FLAME EXTENTION TEST: Flash Point N.A.						merchantability fitness of	or otherwise is made.	
SPECIAL FIRE FIGH	ITING PROCEDURES: Self-co	ntained breathing appears	lus. Keep away from oxidi	izers and alkaline pro	ducis.		SAI	RA Title III Reporting Requirements
UNUSUAL FIRE AND EXPLOSION HAZARDS: Reacts with most metals to release toxic gases.						302	(Extremely Hezardous Substan	nces): Reporting not required.
V - REACTIVITY DATA						304/CERCLA	(Spills Notification): Not requ	
CHEMICAL	UNSTABLE		ONS TO AVOID:				ļ	
VTI BRATZ	ABILITY STABLE X				Community Right-To-Know, RTK): Reporting not required.			
PERMITTI I	STABLE	X				311	Community Right-To-Know, R	RTK): Reporting not required.
	STABLE Materials to avoid): Alkalis and a		, Oxidizers			311	Community Right-To-Know, F	RTK): Reporting not required.
INCOMPATIBILITY (I	Materials to avoid): Alkalis and a MPOSITION PRODUCTS: Know	lkaline materials, Chlorine	e, Oxidizers.			311		RTK): Reporting not required. ting required for levels above TPQ.
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS	Materials to avoid): Alkalis and a POSITION PRODUCTS: Know MAY OCCUR	kaline materials, Chlorine known CONDITIO	e, Oxidizers.					
INCOMPATIBILITY (I	Materials to avoid): Alkalis and a MPOSITION PRODUCTS: Know	lkaline materials, Chlorine known				312	(RTK Inventory Data): Report (Emissions and Releases): Re	ting required for levels above TPQ. portling required for phosphoric acid.
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS POLYMERIZATION	Materials to avoid): Alkalis and a 4POSITION PRODUCTS: Know MAY OCCUR WILL NOT OCCUR	kaline materials, Chlorine knowa CONDITIO X	ONS TO AVOID:			312	(RTK Inventory Data): Report (Emissions and Releases): Re	rting required for levels above TPQ.
INCOMPATIBILITY () HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY	Materials to avoid): Alkalis and at APOSITION PRODUCTS: Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes	koline materials, Chlorine known CONDITIO X SKIN Yes	ONS TO AVOID:	DN Yes	INHALATION Yes	312	(RTK Inventory Data): Report (Emissions and Releases): Re	ting required for levels above TPQ. porting required for phosphoric actd.
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER 1	Materials to avoid): Alkalis and a APOSITION PRODUCTS: Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes EXPOSURE: Corrosive cause	koline materials, Chlorine known CONDITIO X SKIN Yes	ONS TO AVOID:	DN Yes	INJIALATION Yes	312 313 DOT	(RTK Inventory Data): Report (Emissions and Releases): Re Corrosive liquid, acidic, inorge	rting required for levels above TPQ. sporting required for phosphoric acid. uic, N.O.S. (Phosphoric Acid, Hydroxynectic Acid) 8, UN3264, PGH References
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER I INHALATION: Irrital	Materials to avoid): Alkalis and a APOSITION PRODUCTS: Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes EXPOSURE: Corrosive cause	kaline materials, Chlorine known CONDITIO X SKIN Yes burns to eyes, skin, and re	ONS TO AVOID:	DN Yes	INJIALATION Yes	312 313 DOT	(RTK Inventory Data): Repor (Emissions and Releases): Re Corrosive liquid, acidic, inorga CONTROL CT LIST (TSCA) - IN	rting required for levels above TPQ. sporting required for phosphoric acid. uic, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) \$, UN3264, PGHI References
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER I INHALATION: Intia	Materials to avoid): Alkalis and a #POSITION PRODUCTS. Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes EXPOSURE: Compaire - cause tion of ness and threat SORPTION: Burning and imited	kaline materials, Chlorine known CONDITKO X SKIN Yes burns to eyes, skin, and re	ONS TO AVOID:	DN Yes	INHALATION Yes	312 313 DOT TOXIC SUBSTANCE (PERMISSIBLE EXPOS	(RTK Inventory Data): Repor (Emissions and Releases): Re Corrosive liquid, acidic, inorga CONTROL CT LIST (TSCA) - IN	rting required for levels above TPQ. sporting required for phosphoric acid. usic, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) 8, UN3264, PGHI References RGREDIENTS LISTED
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER I SHALATION: Units SKIN CONTACT/ABS	Materials to avoid): Alkalis and a #POSITION PRODUCTS. Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes ENPOSURE: Compaive - couse tion of nose and throat SORPTION: Burning and divites disorder	kaline materials, Chlorine known CONDITKO X SKIN Yes burns to eyes, skin, and re	ONS TO AVOID:	DN Yes	INHALATION Yes	312 313 DOT TOXIC SUBSTANCE (PERMISSIBLE EXPOS Registry or Title 29 Cr	(RTK Inventory Data): Repor (Emissions and Releases): Re Corrostive liquid, acidis, inouga CONTROL CT LIST (TSCA) - IN URE REFERENCES: (Toxic Effects of Chemical Substace of Federal Regulations.	rting required for levels above TPQ. sporting required for ghosphoric acid. use, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) 8, UN3264, PGHI Rafeteness NGREDIENTS LISTED
INCOMPATIBILITY (I HAZARDOUS DECOM HAZARDOUS DECOM HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER I INHALATION: Invital INGESTION: Gastric EYES: Burning and irr	Materials to avoid): Alkalis and a #POSITION PRODUCTS. Know MAY OCCUR WILL NOT OCCUR WILL NOT OCCUR EYES Yes EXPOSURE: Corrosive - cause tion of ness and threat SORPTION: Burning and irritati disorder	klaline materials, Chlorine known CONDITIO X SKIN Yes bourns to eyes, skin, and re	INGESTIC			312 313 DOT TOXIC SUBSTANCE PERMISSIBLE EXPOS Registry or Title 29 C. National T	(RTK Inventory Data): Report (Emissions and Releases): Re Corrosive liquid, acidic, inorge CONTROL CT LIST (TSCA) - IN URE REFERENCES: Trosic Effects of Chemical Substade of Federal Regulations. Oxicology Program (NTP) Report	rting required for levels above TPQ. sporting required for phosphoric acid. usic, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) 8, UN3264, PGHI Rafeteness RGREDIENTS LISTED ances. on Carvinogens.
INCOMPATBILITY (I HAZARDOUS DECOM- HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRE EFFECTS OF OVER I INHALATION: Inhala SKIN CONTACT/ABS INGESTION: Gastic EYES: Burning and im- CARCINOGENICITY	Materials to avoid): Alkalis and a PROSITION PRODUCTS. Know MAY OCCUR Y: EYES Yes EXPOSITE: Corrosive -cause tion of nose and threat SORPTION: Burning and irritari disorder; ritation, possible blindness 7: NTPP Not listed	klaline materials, Chlorine known CONDITIO X SKIN Yes bourns to eyes, skin, and re	ONS TO AVOID:	ON Yes		312 313 DOT TOXIC SUBSTANCE (PERMISSIBLE EXPOS Title 29 C National T Internation	(RTK Inventory Data): Report (Emissions and Releases): Re- Corrosive liquid, acidic, inorge CONTROL CT LIST (ISCA) - IN- UME REFERENCES: (Toxic Effects of Chemical Substate of C	rting required for levels above TPQ. sporting required for phosphoric acid. usic, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) 8, UN3264, PGHI Rafetences RGREDIENTS LISTED ances. on Carvinogens.
INCOMPATBILITY (I HAZARDOUS DECOM- HAZARDOUS PECOM- HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRE EFFECTS OF OVER I INHALATION: Invital SKIN CONTACT/ABS INGESTION: Gastic EVES: Burning and irr CARCINOGENICITY EMERGENCY AND F	Materials to avoid): Alkalis and a #POSITION PRODUCTS. Know MAY OCCUR WILL NOT OCCUR Y: EVES Ves EXPOSURE: Compaire - cause tion of new and threat SORPTION: Burning and divites disorder intation, possible blindness (*, NTP? Not disted HRST AID PROCEDURES)	klaine materiala, Chlorine known CONDITRO X SKIN Yes burns to eyes, skin, and re	DNS TO AVOID: INGESTIC Espiratory tract. NOGRAPHS? N/L	OSHA REGULA	TED? Not listed	312 313 DOT TOXIC SUBSTANCE (PERMISSIBLE EXPOS Registry or Title 29 C. National T Internation Title 40 C.	(RTK Inventory Data): Repor (Emissions and Releases): Re Corrosive liquid, acidic, inorga CONTROL CT LIST (TSCA) - IN UURE REFERENCES: (Toxic Effects of Chemical Substa ode of Federal Regulations. oxicology Program (NTP) Report ad Agency for Research on Cancel ode of Federal Regulations	rting required for levels above TPQ. sporting required for phosphoric acid. usic, N.O.S. (Phosphoric Acid, Hydroxysectic Acid) 8, UN3264, PGHI Rafetences RGREDIENTS LISTED ances. on Carvinogens.
INCOMPATIBILITY (I INAZARDOUS DECOM- HAZARDOUS PECOM- HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRY EFFECTS OF OVER I INFALATION: Irriba SKIN CONTACTTABS INGESTION: Gastic EVES: Burning and irr CARCINOGENICITY ENERGENCY AND E	Materials to avoid): Alkalis and a POSITION PRODUCTS Know MAY OCCUR WILL NOT OCCUR Y: EYES Yes EXPOSITE: Corrosive -cause tion of nose and threat SORPTION: Burning and irriteri disorder istation, possible bilindness // MTP? Not tissed HEST ALD PROCEDURES;	kluline materials, Chlorine known CONDITRO X SKIN Yes burns to eyes, skin, and re ing LARC MO: for 15 minutes. GET BM	DNS TO AVOID: INGESTIC Espiratory tract. NOGRAPHS? N/L	OSHA REGULA	TED? Not listed	312 313 DOT TOXIC SUBSTANCE PERMISSIBLE EXPOS Registry or Title 29 C, National T Internation Enternation A REGULATORY STAN	(RTK Inventory Duta): Report (Emissions and Releases): Re Corrosive liquid, acidie, inorga CONTROL CT LIST (TSCA) - IN URE REFERENCES: IToxic Effects of Chemical Substa do of Federal Regulations. Oxidology Program (NTP) Report al Agency for Rewards on Cancoled of Federal Regulations DARDS:	rting required for levels above TPQ. rporting required for phosphoric acid. wie, N.O.S. (Phosphoric Acid, Hydroxynectic Acid) 8, UN3264, POHI References GREDIENTS LISTED ances. ton Christogens. r (IARC) Monographs.
INCOMPATBILITY (I HAZARDOUS DECOM- HAZARDOUS DECOM- HAZARDOUS POLYMERIZATION ROUTE(S) OF ENTRE EFFECTS OF OVER I INHALATION: Inhala SKIN CONTACTIABS SKIN CONTACTIABS EVES: Bunning and int CARCINGOENICITY EMERGENCY AND DE	Materials to avoid): Alkalis and a #POSITION PRODUCTS. Know MAY OCCUR WILL NOT OCCUR Y: EVES Ves EXPOSURE: Compaire - cause tion of new and threat SORPTION: Burning and divites disorder intation, possible blindness (*, NTP? Not disted HRST AID PROCEDURES)	koline materials, Chlorine known CONDITRO X SKIN Yes burns to eyes, skin, and re mg LARC MO: for 15 minutes. GET IM: n persists.	INGESTIC Spiratory tract. NOGRAPHS? N-L MEDIATE MEDICAL AT	OSHA REGULA	TED? Not listed	312 313 DOT TOXIC SUBSTANCE PERMISSIBLE EXPOS Registry or Title 29 C, National T Internation Enternation A REGULATORY STAN	(RTK Inventory Data): Report (Emissions and Releases): Re- Corrosive liquid, acidic, inorge CONTROL CT LIST (ISCA) - IN- UME REFERENCES: [Toxic Effects of Chemical Substace of Federal Regulations, outcology Program (NTP) Report all Agency for Research on Canecide of Federal Regulations DARDS: 49 Code of Federal Regulations	rting required for levels above TPQ. rportling trequired for phosphoric acid. wie, N.O.S. (Phosphoric Acid, Hydroxynectic Acid) 8, UN3264, PGHI References GREDIENTS LISTED ances. (on Christogens. r (IARC) Monographs.