

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NICKEL SAFE ICE MACHINE CLEANER (NSC)

EMERGENCY PHONE: 1-800-424-9300

(May be used to comply with OSHA's Hazard Communications Standard (HSC) 29 CFR 1910.1200. Standard must be consulted for specific requirements. This product contains no substances subject to SARA Title III and 40 CFR.	
HEALTH HAZARD SYMBOLS	2
FLAMMABILITY	0
REACTIVITY	0

I - IDENTIFICATION

PRODUCT NAME: (NSC) NICKEL SAFE ICE MACHINE CLEANER **PACKAGE TYPE:** 16 oz & 1 gal
PREPARED DEPARTMENT OF HAZARDOUS COMMUNICATIONS **DATE PREPARED:** June 2010

II - HAZARDOUS INGREDIENTS

PRINCIPLE HAZARDOUS COMPONENT(S)	CAS NO	ACGH TLV	OSHA PEL	% or RANGE
Phosphoric Acid 85%	7664-38-2	1 mg/m ³	STEL 3 mg/m ³	< 28
Glycolic Acid 70%	79-14-1	N.E.	N.E.	< 5

III - PHYSICAL DATA

BOILING POINT (°F): 2120F **SPECIFIC GRAVITY (60°F):** 1.18
VAPOR PRESSURE (mm Hg): 15 **MELTING POINT:** N.A.
VAPOR DENSITY (Air = 1): > 1 **EVAPORATION RATE (60 = 1):** 1
pH: 1.0 **APPEARANCE AND ODOR:** Clear, slight vinegar odor
SOLUBILITY IN WATER: Complete

IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY: as per OPEC PLAME EXTENTION TEST, Flash Point N.A.
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Keep away from oxidizers and alkaline products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Reacts with most metals to release toxic gases.

V - REACTIVITY DATA

CHEMICAL STABILITY	UNSTABLE	CONDITIONS TO AVOID:
	STABLE	X
INCOMPATIBILITY: (Materials to avoid: Alkalis and alkaline materials, Chlorine, Oxidizers)		
HAZARDOUS DECOMPOSITION PRODUCTS: Known		
HAZARDOUS DECOMPOSITION PRODUCTS: Known		
MAY OCCUR		CONDITIONS TO AVOID:
POLYMERIZATION	WILL NOT OCCUR	X

ROUTING OF ENTRY: EYES: Yes SKIN: Yes INGESTION: Yes INHALATION: Yes

EFFECTS OF OVER EXPOSURE: Corrosive - cause burns to eyes, skin, and respiratory tract.
INHALATION: Irritation of nose and throat
SKIN CONTACT/ABSORPTION: Burning and irritating

INGESTION: Gastric disorder

EYES: Burning and irritation; possible blindness
CARCINOGENICITY: NTP? Not listed IARC MONOGRAPH? N/L OSHA REGULATED? Not listed

EMERGENCY AND FIRST AID PROCEDURES:

EYES AND SKIN: EYES - Wash with plenty of water for 15 minutes. GET IMMEDIATE MEDICAL ATTENTION
 plenty of soap and water. Get medical attention if irritation persists.
SKIN: - Wash well with
INHALATION: Move to fresh air. If breathing is difficult get IMMEDIATE MEDICAL ATTENTION.
INGESTION: Drink water. Do not induce vomiting. GET IMMEDIATE MEDICAL ATTENTION. Call Poison Control Center.

VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:
 SMALL SPILLS: Neutralize with sodium bicarbonate; dilute and wash to drain.
 LARGE SPILLS: Large spills cannot occur.
WASTE DISPOSAL METHOD: Deposit in landfill in accordance with Local, State, and Federal regulations.

VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY: Required in mixing application in order to keep TLV below limits. Use HEPA with mist cartridge.
EYE: Chemical goggles recommended

SKIN: Required to prevent all skin contact. **PROTECTIVE GLOVES:** Recommended - Chemical resistant rubber or plastic gloves

OTHER: Do not eat, drink, or smoke in work area. Wash hands before eating.
VENTILATION REQUIREMENTS: Local exhaust adequate.

IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use.
SPECIAL PRECAUTIONARY STATEMENTS: Keep this and all chemicals out of reach of children.

NOTICE: We believe that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily nor fully adequate in every circumstance. Also, the suggestions should not be confined with nor believed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, expressed or implied, of merchantability, fitness or otherwise is made.

SARA Title III Reporting Requirements

302	(Extremely Hazardous Substances) Reporting not required.
304/CERCLA	(Spills Notification): Not required.
311	Community Right-To-Know (RTK): Reporting not required.
312	(RTK Inventory Data): Reporting required for levels above TPO.
313	(Emissions and Releases): Reporting required for phosphoric acid. Corrosive liquid, acidic, inorganic, N.O.S. (Phosphoric Acid, Hydroxyacetic Acid) 8, UN324, PGIII
DOT	

TOXIC SUBSTANCE CONTROL CT LIST (TSCA) - INGREDIENTS LISTED
PERMISSIBLE EXPOSURE REFERENCES: **References**

- Registry of Toxic Effects of Chemical Substances.
- Title 29 Code of Federal Regulations
- National Toxicology Program (NTP) Report on Carcinogens
- International Agency for Research on Cancer (IARC) Monographs
- Title 40 Code of Federal Regulations
- REGULATORY STANDARDS:
- DOT Title 49 Code of Federal Regulations 172.101
- SARA Title III
- Nuclear Regulatory Commission