



# SAFETY DATA SHEET

Name of Product:

**GEN3 64**

Product #: See Section 1

Revision Date: Jan. 11, 2018

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: GEN3 64  
SYNONYMS: Deicing Fluid, Antiicing Fluid  
PRODUCT CODES: I000168; F000331

MANUFACTURER: Nachurs Alpine Solutions Industrial  
DIVISION: Marion  
ADDRESS: 421 Leader Street  
Marion, OH 43302, United States

PHONE: 800-622-4877 (USA)  
800-265-2268 (CANADA)

EMERGENCY PHONE: United States: Chemtrec: 800-424-9300 (CCN# 15189)  
Canada: CANUTEC: 613-996-6666  
I TECH 877-324-4402

CHEMICAL NAME: Blend of Organic Salts and Polyols  
CHEMICAL FAMILY: Organic acid salt and Polyols

PRODUCT USE: Deicing fluid, Antiicing fluid.

PREPARED BY: Nachurs Alpine Solutions Technical Services

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## SECTION 2: HAZARDS IDENTIFICATION

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GHS ELEMENTS:  
Hazard Classification: Acute Toxicity Inhalation (Category 4).

Hazard Not Otherwise Classified (HNOC): Acute Toxicity Oral (Category 5).  
Acute Toxicity Dermal (Category 5).



Pictogram:

Signal Word: Warning

Hazard Statements: Harmful if inhaled.  
May be harmful if swallowed.  
May be harmful if in contact with skin.

Precautionary Statements: Wash skin thoroughly after handling. Wear protective gloves, clothing, eye and face protection.  
Avoid breathing mists or spray.  
Use only outdoors or in well-ventilated areas.  
If swallowed, rinse mouth. Do NOT induce vomiting.  
If on hair or skin, remove all contaminated clothing and rinse with water.  
If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If in eyes, rinse carefully with water for several minutes. Remove contactlenses, if able and continue rinsing.  
Immediately call a poison center or doctor/physician. See First Aid instruction for specific treatment.  
Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

### POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.  
SKIN: May be harmful in contact with skin and cause irritation.  
INGESTION: May be harmful if swallowed. If large quantities are ingested, it may cause irritations to the gastrointestinal tract. Including nausea, vomiting and diarrhea.

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INHALATION: Harmful if inhaled. May cause respiratory tract irritation.

ACUTE HEALTH HAZARDS: Not known; may cause eye irritation; may be harmful in contact with skin or if swallowed.

CHRONIC HEALTH HAZARDS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known; may aggravate respiratory conditions.

CARCINOGENICITY:

OSHA:	No
ACGIH:	No
NTP:	No
IARC:	No
CA Prop 65:	No

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:			CAS No.
	Proprietary Non-Toxic Polyols	35-45%	Proprietary
	Water	20-30%	7732-18-5
	Organic Salts	30-40%	Proprietary

SARA 313 REPORTABLE: N/A

OHSA PEL-TWA: 5 mg/m<sup>3</sup> (Respirable portion of Polyols); 15 mg/m<sup>3</sup> (Total Dust of Polyols)  
OSHA PEL-STEL: N/A  
OSHA PEL CEILING: N/A

ACGIH TLV-TWA: 10 mg/m<sup>3</sup> (Polyols)  
ACGIH TLV-STEL: N/A  
ACGIH TLV CEILING: N/A

## SECTION 4: FIRST AID MEASURES

EYES: Flush with water immediately and thoroughly for 15 minutes. If irritation persists, seek medical attention.

SKIN: Thoroughly wash with soap and water. If irritation persists, seek medical attention.

INGESTION: Never give anything to an unconscious person. Do NOT induce vomiting. Seek medical attention if large amounts are swallowed or if there is abdominal pain, sore throat, nausea and/or vomiting.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention for any breathing difficulty.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: Unknown

FLASH POINT: >212°F, >100°C

METHOD USED: Tagged Closed Cup

AUTOIGNITION TEMPERATURE: Unknown

NFPA HAZARD CLASSIFICATION

HEALTH:	1
FLAMMABILITY:	0
REACTIVITY:	0
OTHER:	0

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## HMIS HAZARD CLASSIFICATION

HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PROTECTION: B

EXTINGUISHING MEDIA: Water or media suitable for surrounding material.

SPECIAL FIRE FIGHTING PROCEDURES: Proper safety equipment to include SCBA operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon monoxide and/or carbon dioxide may be released.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and/or carbon dioxide.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Wear appropriate personal protective equipment.  
Confine the spill to a diked area or sump, if possible, and recover as much of the product as possible.  
Place in suitable containers. Dispose in accordance with all federal, state, and local regulations.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: Keep in a cool dry, well-ventilated place. Keep container tightly closed. Store in suitable containers made of mild steel, stainless steel, plastic or fiberglass. Wear suitable personal protective equipment. Avoid breathing mists or sprays. Avoid contact with eyes, skin or clothing. Wash thoroughly after use.

OTHER PRECAUTIONS: Always use good safety and industrial hygienic practices.

Avoid contact with strong oxidizing agents (strong acids, chromium trioxide, potassium chlorate, potassium permanganate and strong bases).

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Good hygienic operating protocols are always recommended.

VENTILATION: Provide local ventilation as necessary.

RESPIRATORY PROTECTION: If mists are generated above the occupational exposure limit, an appropriate NIOSH/MSHA approved respirator should be used. A NIOSH/MSHA approved self-contained breathing apparatus or supplied air respirator are recommended if the concentration exceeds the capacity of the cartridge respirator.

EYE PROTECTION: Safety glasses with side shield. If splashing is possible, use safety goggles and full face shield.

SKIN PROTECTION: Compatible chemical gloves. Where splashing is possible, use chemical apron or chemical resistant suit as appropriate.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash hands thoroughly after handling.

EXPOSURE GUIDELINES: N/A

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Clear or blue liquid.

ODOR: Odorless

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ODOR THRESHOLD:	No data available.
PHYSICAL STATE:	Liquid.
pH AS SUPPLIED:	10.0-11.0
MELTING POINT:	Unknown
FREEZING POINT:	F°: <-54 C°: <-47
BOILING POINT:	>248°F >120°C
FLASH POINT:	>212°F, >100°C
METHOD USED:	Tagged Closed Cup
EVAPORATION RATE:	Unknown
FLAMMABLE LIMITS IN AIR:	Unknown
VAPOR PRESSURE (mmHg):	Unknown
VAPOR DENSITY (AIR = 1):	Unknown
SPECIFIC GRAVITY (20°C):	1.24-1.27
DENSITY, LBS/GAL (20°C):	10.43
SOLUBILITY IN WATER:	Complete
PARTITION COEFFICIENT:	n-octanol/water – Unknown
PERCENT SOLIDS BY WEIGHT:	20-30
PERCENT VOLATILE:	30-40%
VOLATILE ORGANIC COMPOUNDS (VOC):	None
AUTOIGNITION TEMPERATURE:	Unknown
THERMAL DECOMPOSITION:	Unknown

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## SECTION 10: STABILITY AND REACTIVITY

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	STABLE	UNSTABLE
STABILITY:	x	
CONDITIONS TO AVOID (STABILITY):	Extreme heat.	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids or strong oxidizing agents.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	May release acrolein at temperatures above 400°F, oxides of nitrogen, carbon, phosphorous, phenol or benzene.	
HAZARDOUS POLYMERIZATION:	Unknown	

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: Unknown

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:

AQUATIC TOXICITY:	LC50 – Daphnia Magna, 48h - >12,000 mg/L LC50 – Pimephales Promelas, 96h - >11,000 mg/L
BOD:	0.30 kg O <sub>2</sub> /kg
COD:	0.66 kg O <sub>2</sub> /kg
BIOACCUMULATION:	Unknown
MOBILITY IN SOIL:	Unknown

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Reclaim and reuse as much as possible. Dispose in accordance with all federal, state, and local regulations.

RCRA HAZARD CLASS: No.

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## SECTION 14: TRANSPORT INFORMATION

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U.S. DEPARTMENT OF TRANSPORTATION:

GROUND TRANSPORTATION:

PROPER SHIPPING NAME:	GEN3 64
HAZARD CLASS:	N/A
ID NUMBER:	N/A
PACKING GROUP:	N/A
LABEL STATEMENT:	N/A

WATER TRANSPORTATION (IMDG):

PROPER SHIPPING NAME:	GEN3 64
HAZARD CLASS:	N/A
ID NUMBER:	N/A
PACKING GROUP:	N/A
LABEL STATEMENTS:	N/A

AIR TRANSPORTATION (IATA):

PROPER SHIPPING NAME:	GEN3 64
HAZARD CLASS:	N/A
ID NUMBER:	N/A
PACKING GROUP:	N/A
LABEL STATEMENTS:	N/A

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## SECTION 15: REGULATORY INFORMATION

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CHEMICAL INVENTORY LISTS:

TSCA (U.S. Toxic Substances Control Act):	Yes
TSCA Section 12(b):	No
DSL (Canadian Domestic Substances List):	Yes
EINCS (European Inventory of Existing Commercial Chemical Substances):	Yes
AICS (Australia):	Yes
IECSC (China):	Yes
ENCJ (Japan):	Yes

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): No

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CLEAN AIR ACT (CAA):

Contains no priority air pollutants.

CLEAN WATER ACT (CWA):

Contains no priority water pollutants.

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## SECTION 16: OTHER INFORMATION

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**DISCLAIMER:** The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Nachurs Alpine Solutions will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

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