



Material Safety Data Sheet

MSDS No:

Version No:

Order No:

For emergency assistance involving chemicals call
(425) 889 3400

Chemtrec (800) 424 - 9300

MORTON SALT

Material Safety Data Sheet

MSDS 005, Revised 08/15/2019

Emergency Phone Number: 312/807-2000

1. PRODUCT IDENTIFICATION

Chemical Name: Sodium Chloride

Common Name: Salt

CAS Number: 7647-14-5

Chemical Formula: NaCl

Product Names (Salt with Yellow Prussiate of Soda anti-caking agent):

999 Chemical Grade Salt w/YPS	Kleer Fine Salt	TFC 200 Salt
Agri-flo Salt	Kleer Mixing Salt w/YPS	TFC 325 Salt
Coarse Kosher Salt	Louisiana Pure Evaporated Salt	TFC 999 Salt
Coarse Vacuum Salt w/YPS	Oilfield Salt (all)	TFC 999 Fine Salt
Diamond M Salt	White Pretzel Salt (all)	TFC H.G. Blending Salt
Evaporated Granulated Salt w/YPS	ROM Fine Salt	TFC Purex Salt
Feed Mixing Salt	Star Flake Dendritic Salt	TFC Refined Sea Salt
Fine Refined Sea Salt	Sea Salt, Coarse	Top Flake Salt (all)
Fine Solar Salt w/YPS	Sea Salt, Fine	
KD Fine Solar Salt w/YPS	Sodium Salt	

2. COMPOSITION / INFORMATION ON INGREDIENTS

	Formula	CAS #	%
Sodium Chloride	NaCl	7647-14-5	>99*
Yellow Prussiate of Soda	Na ₄ Fe(CN) ₆	13601-19-9	≤0.0013%

*Including small quantities of naturally occurring calcium and magnesium salts

3. HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: Very large doses can cause vomiting, diarrhea, and prostration. Oral toxicity rat LD₅₀: 3000 mg / kg.

Skin Contact: Mild skin irritant.

Eye Contact: Moderate irritant.

Inhalation: Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

Acute Systemic Effects: Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract.

Chronic Systemic Effects: No information found.

Hazard Rating

(0=None, 4=Extreme)

- ① Health
- ① Flammability
- ① Reactivity

4. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: If large amounts were swallowed, get medical advice.

5. FIRE AND EXPLOSION HAZARD DATA

Product is non-combustible; no extinguishing media or special fire-fighting procedures are required.
There are no unusual fire or explosion hazards.

6. REACTIVITY DATA

Stability: ☒ Stable ☐ Unstable

Stable and inert under normal conditions. No hazardous polymerization can occur.

Materials to Avoid: Will react with strong acids (to generate hydrogen chloride) and with strong oxidizing agents (to generate chlorine gas). Yellow Prussiate of Soda (YPS) may decompose when in contact with strong acids (releasing hydrogen cyanide gas), and when heated to above 400°C (to emit toxic cyanide fumes).

7. PHYSICAL DATA

Appearance:	Colorless or white crystals	pH:	About 8
Odor:	None	% Non-Volatile:	100
Density (Water = 1):	2.165 g / cc	Vapor Pressure (mm Hg):	1 mm @ 865°C (1589°F)
Solubility in Water:	36 g / 100 cc water at 20°C (68°F)	Boiling Point (760 mm Hg):	1413°C (2575°F)

8. SPILL OR LEAK PROCEDURES

Response to Small Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Response to Large Spills: Shovel and sweep up; containerize for reclamation or disposal.

Hazards to be Avoided: None.

Reportable Quantity: Check your state for requirements.

Waste Classification: Some states have set maximum limits on chlorides in waste effluent.

Disposal Methods: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility or if local ordinances allow, can be dissolved in sufficient amounts of water to meet water quality standards, and flushed down a sewer drain. Ensure compliance with local, state and federal regulations.



9. SPECIAL PROTECTION INFORMATION

- Respiratory Protection:** For conditions of use where exposure to the dust is apparent, a NIOSH approved dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.
- For Hands, Body:** If deemed necessary, wear protective gloves and clean body-covering clothing.
- For Eyes:** If deemed necessary, use chemical safety glasses or goggles. Contact lenses should not be worn when working with this material. Eye wash fountain or water for eyewashing should be available.
- Ventilation:** In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

10. SPECIAL PRECAUTIONS

Transport in dry equipment; store in dry location. Handling procedures should minimize generation of airborne dust. Dust respirator as appropriate where exposure exceeds the 10 mg/m² ACGIH TLV for nuisance dust.

11. LABELING INFORMATION

DOT Shipping Name:	Salt (common), sodium chloride	UN No.:	Not applicable
DOT Label:	Not applicable	Additional Product Label:	Not applicable
		Warning:	None

12. USER'S RESPONSIBILITY

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations. Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

Salt with Yellow Prussiate of Soda Anti-caking Agent
Applicable Commodity Codes

Friday, April 12, 2013

Add TFC Refined Sea Salt

Oct. 25, 2007

Revise Date, no other changes

April 20, 2009

Add Sea Salt, Coarse, Sea Salt, Fine

Jan. 4, 2010

Delete Morton International

Update revision date

April 2, 2013

Revise date

April 12, 2013

Add Fine Refined Sea Salt

Salt with Yellow Prussiate of Soda Anti-caking Agent Applicable Commodity Codes

MSDS#	Commodity code	Package size	Description
005	1125	SB	TFC H.G. Blending Salt
005	1129	80	TFC H.G. Blending Salt
005	1130	50	TFC H.G. Blending Salt (w/o liner)
005	1131	50	TFC H.G. Blending Salt
005	1199	bulk	TFC H.G. Blending Salt
005	1203	bulk	Sodium Salt
005	1223	50	Oilfield 200 Salt
005	1229	50	Oilfield 325 Salt
005	1231	SB	TFC 200 Salt
005	1240	50	TFC 200 Salt
005	1241	80	TFC 200 Salt
005	1271	SB	TFC 325 Salt
005	1302	50	Star Flake Dendritic Salt
005	1303	80	Star Flake Dendritic Salt
005	1308	bulk	Star Flake Dendritic Salt
005	1310	bulk	999 Chem Grade Salt w/YPS
005	1312	50	TFC 999 Salt
005	1314	bulk	TFC 999 Salt
005	1315	80	TFC 999 Salt
005	1316	bulk	Coarse Vacuum Salt w/YPS
005	1324	bulk	TFC 999 Fine Salt
005	1326	SB	TFC 999 Fine Salt
005	1327	80	TFC 999 Fine Salt
005	1328	50	TFC 999 Fine Salt
005	1347-2201	50	Star Flake Dendritic Salt (Bama)
005	1405	50	Louisiana Pure Evaporated Salt
005	1462s	25	Evaporated Granulated Salt (w/YPS)
005	1474	100 #	Evaporated Oilfield Salt
005	1475	SB	Evaporated Oilfield Salt
005	1477	bulk	Evaporated Oilfield Salt
005	1478	50	Agri-Flo Salt
005	1481	bulk	Agri-Flo Salt
005	1488	80	Agri-Flo Salt
005	1513	50	TFC Purex Salt
005	1517	bulk	TFC Purex Salt
005	1518	80	TFC Purex Salt
005	1523	SB	TFC Purex (Coated Bag)
005	1569	TB	TFC Purex (Tote Bin)
005	1573	SB	TFC Purex Salt
005	1585	SB	TFC 999 Salt
005	1586	SB	Star Flake Dendritic Salt



Salt with Yellow Prussiate of Soda Anti-caking Agent Applicable Commodity Codes

MSDS#	Commodity code	Package size	Description
005	1700	12/3	Coarse Kosher Salt
005	1899	50	Top Flake Fine Salt
005	1900	50	Top Flake Coarse Salt
005	1901	80	Top Flake Extra Coarse Salt
005	1902	80	Top Flake Coarse Salt
005	1903	80	Top Flake Fine Salt
005	1904	80	Top Flake Extra Coarse Salt w/o liner
005	1906	80	Top Flake Topping Salt
005	1907	SB	Top Flake Coarse Salt
005	1908	SB	Top Flake Extra Coarse Salt
005	1909	SB	Top Flake Topping Salt
005	1910	SB	Top Flake Fine Salt
005	1913	50	Top Flake Topping Salt
005	1930	50	White Pretzel Salt Extra Coarse
005	1931	50	White Pretzel Salt Coarse
005	1932	50	White Pretzel Salt Medium
005	1952	25	Diamond M Salt
005	3269	bulk	Fine Solar (w/YPS)
005	3270	80	Fine Solar (w/YPS)
005	3271	bulk	Fine Solar Salt w/YPS
005	3300	SB	Feed Mising Salt
005	3303	SB	Fine Solar (w/YPS)
005	3409	bulk	KD Fine Solar YPS
005	3429	bulk	Feed Mixing Salt
005	3954	50	Fine Solar Salt (w/YPS) (Film)
005	3978	80	Fine Solar Salt (w/YPS) (Film)
005	3992	80	Fine Solar (w/YPS) (Film)
005	4229	50	Kleer Mixing Salt (w/ YPS)
005	4232	25	Kleer KD Fine Salt w/YPS
005	4279	bulk	Southern ROM Fines Salt
005	4304	50	Oilfield (Rock) Salt
005	4305	80	Oilfield (Rock) Salt
005	4306	100	Oilfield (Rock) Salt
005	4329	80	Kleer Mixing Salt (w/YPS)
005	4331	bulk	Kleer Mixing Salt w/YPS
005	4443	SB	Oilfield (Rock) Salt
005	4446	SB	Kleer Mixing Salt (w/YPS)

Material Safety Data Sheet

For Additional Information contact MSDS Coordinator during business hours, Pacific time: (425) 889-3400

Notice

The Candlemaker's Store expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from our local sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, we makes no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process