



## Hydrochloric Acid ( Muriatic Acid ) - Drum

Wintersun Code: 08-022-01

CAS Number: 7647-01-0

Molecular Formula: HCl

### Sales Specification

Total Acidity (HCL) (% By mass): 33.00 Min.

Iron (Fe), ppm: 5.00 Max.

Sulphite (SO<sub>2</sub>)(% by ,mass): 0.0

Free Chlorine; ppm: 50.00 Max

Heavy Metal (Pb) ppm: 0.0

Heavy Metal (Hg), ppm: 0.0

Specific Gravity at 30°C: 1.165 Min.

Hydrofluoric acid; ppm: 0.0

Organics; ppm: 5.0 Max.



### Packing

In 551.15 LB, 4 drums per pallet

### Transportation

Proper Shipping Name: Hydrochloric Acid, Solution

UN No: 1789

Hazard Class: 8

Packing Group: II

## Phosphoric Acid 75%

Wintersun Code: 16-009

CAS Number: 7664-38-2

Molecular Formula: H<sub>3</sub>PO<sub>4</sub>

Molecular Weight: 97.99 g/mol



### Sales Specification

Phosphoric Acid (H<sub>3</sub>PO<sub>4</sub>): 75% Min – 78% Max

Fluorine (F): N/A

Arsenic (As): 25

Iron (Fe): N/A

Aluminum (Al): 25

Heavy Metals As Lead (Pb): 10



### Packing

In 650 LB Drum

In 3583 LB Tote

### Transportation

Proper Shipping Name: Phosphoric Acid

UN Number: 1805

Hazard Class: 8

Packing Group: III

## Hydrochloric Acid ( Muriatic Acid ) - Tote

Wintersun Code: 08-022-02

CAS Number: 7647-01-0

Molecular Formula: HCl



### Sales Specification

Appearance: Clear Liquid

Hydrochloric Acid (HCl): 31.50 – 33.10%

Color (APHA):30 Max

Oxidizing Substances (as Cl<sub>2</sub>): 45.0 PPM Max

Iron:1.5 PPM Max

### Packing

In 2,536 LB tote

### Transportation

Proper Shipping Name: Hydrochloric Acid, Solution

UN No: 1789

Hazard Class: 8

Packing Group: II

## Formic Acid

Wintersun Code: 06-009

CAS Number: 64-18-6

Molecular Formula: HCOOH

Molecular Weight: 46.03 g/mol

### Sales Specification

Appearance: Clear

Water: 10%

Formic: 90%

Color: 6PT-CO



### Typical Values

Acetic Acid: ≤ 500 ppm

Sulphate: ≤1 ppm

Chloride: ≤1 ppm

Iron: ≤1 ppm

Other Heavy Metals: ≤1 ppm

Residue on Evaporation: ≤ 20 ppm

### Packing

In 5 GL (55.12 LB) Pail

In 55 GL (551.15 LB) Drum



### Transportation

Proper Shipping Name: Formic Acid

UN No.: 1779

Hazard Class: 8

Packing Group: II

Wintersun Chemical 1250 E. Belmont St. Ontario CA 91761 USA

<https://wintersunchem.com>

[sales@wintersunchem.com](mailto:sales@wintersunchem.com)

Phone: (800) 930-1688

Fax: (909) 947-1788



## Ferrous Chloride Solution

Wintersun Code: 06-018

CAS Number: 7758-94-3

Molecular Formula:  $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$

Molecular Weight: 198.75 g/mol

### Sales Specification

Appearance: Green to Dark Color Liquid

Ferrous Chloride( $\text{FeCl}_2$ ): 18% - 32%

Fe(II): 8% - 14%

### Typical Analysis

Ferrous Chloride as  $\text{FeCl}_2$ : 28.0% - 30.0%

Specific Gravity @ 68 °F: 1.312 g/ml

Free Acid: 0.50% Max

Ferric Chloride as  $\text{FeCl}_3$ : 3300 ppm Max

### Packing

In 2995 LB Tote

### Transportation

Proper Shipping Name: Ferrous Chloride, Solution

UN No: NA1760

Hazard Class: 8

Packing Group: II



## Sodium Hypochlorite Solution 12.5% (Bleach)

Wintersun Code: 19-078

CAS Number: 7681-52-9

Molecular Formula:  $\text{NaOCl}$

Molecular Weight: 74.44 g/mol

### Chemical Family

Inorganic Halogen Compound

### Common Chemical Name:

- Bleach, Bleach Solution

- Sodium Hypochlorite

- Liquid Chlorinator

### Sales Specification

Sodium Hypochlorite: 12.5% Min - 15.6% Max

Sodium Chloride: 9.84% Min - 12.3% Max

Sodium Hydroxide: 0.1% Min - 1.0% Max

Sodium Carbonate: 0.00% Min - 0.05% Max

Inorganic Salts of Iron: 0.02% Min - 0.03% Max

Inorganic Salts of Copper: 0.00% Min - 0.01% Max

Other Inorganic Salts: 0.00% Min - 0.01% Max

Water: 71.4% Min - 77.54%

### Packing

In 550 LB (55 gallon) drum, 4 drums per pallet

In 2650 LB tote

### Transport Information

Proper Shipping Name: Hypochlorite Solution

Hazard Class: 8

UN No: 1791

Packing Group: III



Wintersun Chemical 1250 E. Belmont St. Ontario CA 91761 USA

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[sales@wintersunchem.com](mailto:sales@wintersunchem.com)

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