

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

#### Issue date 08/08/2016

Reviewed on 08/08/2016



- US





OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

#### Issue date 08/08/2016

Trade name: NuBrite DeScale 1014

Reviewed on 08/08/2016

· Hazard-determining components of labeling: Hydrochloric acid prop-2-yn-1-ol Rosin · Hazard statements: H302+H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. · Precautionary statements: Do not breathe dusts or mists. P260 P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves. Wear protective gloves / protective clothing. P280 Wear eye protection / face protection. P280 P264 Wash thoroughly after handling. Do not eat, drink or smoke when using this product. P270 Contaminated work clothing must not be allowed out of the workplace. P272 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P363 Wash contaminated clothing before reuse. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. P362+P364 Take off contaminated clothing and wash it before reuse. P402+P404 Store in a dry place. Store in a closed container. P501 Dispose of contents/container in accordance with local/regional/national/ international regulations. · Classification system: NFPA ratings (scale 0 - 4) Health = 3Fire = 0Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 3 Health = 3FIRF 0 Fire = 0Reactivity = 0 **REACTIVITY** 0 (Contd. on page 3) US



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· Hazard(s) not otherwise classified (HNOC): None known

## 3 Composition/Information on Ingredients

## · Chemical characterization: Mixtures

· Description: Mixture: consisting of the following components.

## · Dangerous Components:

Dungerous components.		
CAS: 7647-01-0	Hydrochloric acid	25-50%
RTECS: MW 9620000	🚸 Skin Corr. 1B, H314; 🚸 Acute Tox. 4, H332; STOT SE 3, H335	
CAS: 8050-09-7	Rosin	<i>≤</i> 2.5%
	Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335; Eye Irrit. 2B, H320	

### · Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

## 4 First-Aid Measures

## · Description of first aid measures:

## · General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediate medical treatment is necessary. Failure to treat burns can prevent wounds from healing. • After eye contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. • After swallowing:

- Drink copious amounts of water and provide fresh air. Immediately call a doctor. Rinse out mouth and then drink plenty of water. Do not induce vomiting without medical advice. If vomiting does occur, repeat fluid administration
- Information for doctor:
- Most important symptoms and effects, both acute and delayed: Exposure to the mist and vapor may erode exposed teeth. Causes corrosive action on the mucous membranes.
- *Indication of any immediate medical attention and special treatment needed:* No further relevant information available.

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## 5 Fire-Fighting Measures

- · Extinguishing media:
- Suitable extinguishing agents:
- CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters:
- · Protective equipment:
- Mouth respiratory protective device.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures:

- Wear protective equipment. Keep unprotected persons away. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Do not breathe vapor. Treat any fumes as toxic. Use respiratory protective device against the effects of fumes/dust/aerosol. • **Environmental precautions:** No special measures required.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.
- Dispose contaminated material as waste according to section 13.
- Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Reference to other sections:
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

# 7 Handling and Storage

- · Handling
- Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities:
- · Storage
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.

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· Specific end use(s): No further relevant information available.

## 8 Exposure Controls/Personal Protection

• Additional information about design of technical systems: No further data; see section 7.

#### · Control parameters:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

### · Components with occupational exposure limits:

### 7647-01-0 Hydrochloric acid

- PEL Ceiling limit value: 7 mg/m<sup>3</sup>, 5 ppm
- REL Ceiling limit value: 7 mg/m<sup>3</sup>, 5 ppm
- TLV Ceiling limit value: 2.98 mg/m<sup>3</sup>, 2 ppm

8050-09-7 Rosin

TLV DSEN, RSEN, L

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

· Exposure controls:

- · Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eves and skin.

· Breathing equipment:



Suitable respiratory protective device recommended.

## · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

## Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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· Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• Eye protection:



Tightly sealed goggles

## · Body protection:



Protective work clothing

# 9 Physical and Chemical Properties

· Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid Color: Amber · Odor: Acrid · Odor threshold: Not determined. · pH-value @ 20 °C (68 °F): < 1 · Change in condition Melting point/Melting range: Not determined. Boiling point/Boiling range: 100 °C (212 °F) · Flash point: None · Flammability (solid, gaseous): Not applicable. · Ignition temperature: Not determined. · Decomposition temperature: Not determined. · Auto igniting: Product is not self-igniting. Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Not determined. Upper: Not determined. · Vapor pressure @ 20 °C (68 °F): 23 hPa (17 mm Hg) · Density @ 20 °C (68 °F): 1.25 g/cm3 (10.431 lbs/gal) · Relative density: Not determined. · Vapor density: Not determined. Not determined. · Evaporation rate: (Contd. on page 7)

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 Trade name: NuBrite DeScale 1014

 · Solubility in / Miscibility with: Water:
 Not miscible or difficult to mix.

 · Partition coefficient (n-octanol/water): Not determined.

 · Viscosity: Dynamic @ 20 °C (68 °F):
 1 mPas Not determined.

 · Solvent content:

Organic solvents:0.4 %Water:68.6 %VOC content:0.4 %Solids content:0.3 %• Other information:No further relevant information available.

# 10 Stability and Reactivity

- · Reactivity: No further relevant information available.
- · Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions: No dangerous reactions known.
- · Conditions to avoid: No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

# 11 Toxicological Information

- · Information on toxicological effects:
- · Acute toxicity:

## · LD/LC50 values that are relevant for classification:

	-		
Oral	LD50	700 mg/kg (rat)	
		900 mg/kg (rabbit)	
Dermal	LD50	5010 mg/kg (rabbit)	
Inhalative	LC50/4 h	6.41 mg/l (rat) Exposure to the mist and vapor may erode exposed teeth. Causes corrosive action on the mucous membranes.	
· Primary irritant effect:			
. On the skin:			

• On the skin:

Strong caustic effect on skin and mucous membranes.

May cause an allergic skin reaction.

## 7647-01-0 Hydrochloric acid

Irritation of skin Skin Irritation (rabbit)

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Corrosive effe	t with the danger of severe eye injury. ect. us eye irritation.	
7647-01-0 Hy	/drochloric acid	
Irritation of ey	ves Eye Irritation (rabbit)	
The product preparations: Harmful	<b>exicological information:</b> shows the following dangers according to internally approved calculation	n methods i
Corrosive Irritant Swallowing v esophagus ar	will lead to a corrosive effect on mouth and throat and to the danger of , nd stomach.	perforation
Irritant Swallowing v esophagus ar Carcinogenia IARC (Interna Group 1 - Car Group 2A - Pr Group 2B - Po Group 3 - Not	nd stomach.	perforation
Irritant Swallowing v esophagus ar <b>Carcinogenia</b> <b>IARC (Interna</b> Group 1 - Car Group 2A - Pro Group 2B - Po Group 3 - Not Group 4 - Pro 7647-01-0	nd stomach. c categories: ational Agency for Research on Cancer): rcinogenic to humans robably carcinogenic to humans ossibly carcinogenic to humans t classifiable as to its carcinogenicity to humans bably not carcinogenic to humans ydrochloric acid	
Irritant Swallowing v esophagus ar <b>Carcinogenia</b> <b>IARC (Interna</b> Group 1 - Car Group 2A - Pro Group 2B - Po Group 3 - Not Group 4 - Pro 7647-01-0	nd stomach. c categories: ational Agency for Research on Cancer): rcinogenic to humans robably carcinogenic to humans ossibly carcinogenic to humans t classifiable as to its carcinogenicity to humans obably not carcinogenic to humans	
Irritant Swallowing v esophagus ar Carcinogenia IARC (Interna Group 1 - Car Group 2A - Pr Group 2B - Pr Group 3 - Not Group 4 - Pro 7647-01-0 Hy 67-63-0 Is	nd stomach. c categories: ational Agency for Research on Cancer): rcinogenic to humans robably carcinogenic to humans ossibly carcinogenic to humans t classifiable as to its carcinogenicity to humans bably not carcinogenic to humans ydrochloric acid	

# 12 Ecological Information

- · Toxicity:
- · Aquatic toxicity:

## 7647-01-0 Hydrochloric acid

- EC50 3.6 mg/l (Bluegill/sunfish)
  - >56 mg/l (daphnia)
- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- · Additional ecological information:
- · General notes:

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

## · Results of PBT and vPvB assessment:

- · PBT: Not applicable.
- · **vPvB:** Not applicable.
- · Other adverse effects: No further relevant information available.

## 13 Disposal Considerations

- · Waste treatment methods:
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Observe all federal, state and local environmental regulations when disposing of this material.

- · Uncleaned packagings
- · Recommendation:

Disposal must be made according to official regulations.

Dispose of as unused product.

· Recommended cleansing agent: Water, if necessary with cleansing agents.





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Trade name: NuBrite DeScale 1014		
· Label:	8	
· IMDG, IATA		
8		
· Class:	8 Corrosive substances	
· Label:	8	
· Packing group:		
· DOT, ADR, IMDG, IATA	II	
<ul> <li>Environmental hazards:</li> </ul>	Not applicable.	
<ul> <li>Special precautions for user:</li> </ul>	Warning: Corrosive substances	
· Danger code (Kemler):	80	
· EMS Number:	F-A,S-B	
<ul> <li>Segregation groups:</li> </ul>	Acids	
<ul> <li>Transport in bulk according to Annex II o</li> </ul>		
MARPOL73/78 and the IBC Code:	Not applicable.	
· Transport/Additional information:		
· ADR		
· Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml	
· UN "Model Regulation":	UN 1789 HYDROCHLORIC ACID, 8, II	

# 15 Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
 SARA (Superfund Amendments and Reauthorization):

· Section 355 (extremely hazardous substances):

7647-01-0 Hydrochloric acid

· Section 313 (Specific toxic chemical listings):

7647-01-0 Hydrochloric acid

67-63-0 Isopropyl alcohol

107-19-7 prop-2-yn-1-ol

· TSCA (Toxic Substances Control Act):

All ingredients are listed or exempt from listing.

· California Proposition 65:

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

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Safety Data Sheet (SDS) OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.						
						Chemicals known to cause developmental toxicity:
None of the ingredients are listed.						
New Jerse	y Right-to-Know List:					
	Hydrochloric acid					
	Isopropyl alcohol					
	prop-2-yn-1-ol					
New Jerse	y Special Hazardous Substance List:					
	Hydrochloric acid	C0, R1				
	Isopropyl alcohol	F3				
107-19-7	prop-2-yn-1-ol	F3, R3				
Pennsylva	nia Right-to-Know List:					
•	Hydrochloric acid					
	Isopropyl alcohol					
107-19-7	prop-2-yn-1-ol					
Pennsylva	nia Special Hazardous Substance List:					
-	Hydrochloric acid	E				
67-63-0	Isopropyl alcohol	E				
107-19-7	prop-2-yn-1-ol	E				
Carcinoge	nic categories:					
	ronmental Protection Agency):					
•	e ingredients are listed.					
	shold Limit Value established by ACGIH):					
•	Hydrochloric acid	A				
	Isopropyl alcohol	A				
	(National Institute for Occupational Safety and Health).					
	e ingredients are listed.	·				
GHS label The produc Hazard pic	ct is classified and labeled according to the Globally Harmo	nized System (GHS).				

Hydrochloric acid prop-2-yn-1-ol

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· Hazard staten	Hazard statements:		
H302+H312 Harmful if swallowed or in contact with skin.			
	auses severe skin burns and eye damage.		
	lay cause an allergic skin reaction.		
	lay cause respiratory irritation.		
	Precautionary statements:		
P260	Do not breathe dusts or mists.		
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.		
P271	Use only outdoors or in a well-ventilated area.		
P280	Wear protective gloves.		
P280	Wear protective gloves / protective clothing.		
P280	Wear eye protection / face protection.		
P264	Wash thoroughly after handling.		
P270	Do not eat, drink or smoke when using this product.		
P272	Contaminated work clothing must not be allowed out of the workplace.		
P303+P361+P	P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.		
P305+P351+F	2338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses,		
	if present and easy to do. Continue rinsing.		
P310	Immediately call a POISON CENTER/doctor.		
P301+P312	IF SWALLÓWED: Call a POISON CENTER/doctor if you feel unwell.		
P321	Specific treatment (see supplementary first aid instructions on this Safety Data		
	Sheet).		
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
P363	Wash contaminated clothing before reuse.		
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.		
P301+P330+P	2331 If swallowed: Rinse mouth. Do NOT induce vomiting.		
P302+P352	IF ON SKIN: Wash with plenty of water.		
P362+P364	Take off contaminated clothing and wash it before reuse.		
P402+P404	Store in a dry place. Store in a closed container.		
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.		
· National regulations:			

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

# **16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision: 08/08/2016 / -

· Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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