

**HYDRANAL™ Salicylic acid****37865-500G**

Version 1.1

Revision Date 03/13/2020

Print Date 05/15/2023

**SECTION 1. IDENTIFICATION**

Product name : HYDRANAL™ Salicylic acid

Number : 000000020638

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.  
1953 South Harvey Street  
Muskegon, MI 49442

For more information call : 1-800-368-0050  
+1-231-726-3171 (Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**  
: **Transportation (CHEMTREC): 1-800-424-9300 or**  
: **+1-703-527-3887**  
:  
: (24 hours/day, 7 days/week)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Form : crystalline

Color : white

Odor : odourless

**Classification of the substance or mixture**

Classification of the substance or mixture : Combustible dust  
Acute toxicity, Category 4, Oral  
Serious eye damage, Category 1

**GHS Label elements, including precautionary statements**

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Symbol(s)

:



Signal word

: Danger

Hazard statements

: May form combustible dust concentrations in air.  
Harmful if swallowed.  
Causes serious eye damage.

Precautionary statements

: **Prevention:**Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/ eye protection/ face protection.**Response:**

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/ doctor.

Rinse mouth.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature

: Substance

Chemical name	CAS-No.	Concentration
Salicylic acid	69-72-7	>=90.00 - <=100.00 %

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**SECTION 4. FIRST AID MEASURES**

- General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
- Inhalation : If inhaled, remove to fresh air. Call a physician if irritation develops or persists.
- Skin contact : After contact with skin, wash immediately with plenty of water.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Protect unharmed eye.
- Ingestion : When swallowed, allow water to be drunk. Call a physician immediately.

**Notes to physician**

- Most important symptoms/effects, acute and delayed : No information available.
- Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder
- Specific hazards during firefighting : Avoid dust formation in confined areas.  
Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.  
Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

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Static charges on powders or powders in liquids may ignite combustible atmospheres.  
Hazardous decomposition products formed under fire conditions.

Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.  
Evacuate personnel to safe areas.  
Provide adequate ventilation.  
May form explosive dust-air mixture.  
Avoid dust formation.  
Accumulations of dust from this product in the workplace may increase the likelihood or severity of an explosion.  
Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.  
Eliminate all ignition sources if safe to do so.

Environmental precautions : Should not be released into the environment.

Methods and materials for containment and cleaning up : Avoid dust formation and electrical charging (sparking) because dust explosion might occur.  
Do not create a powder cloud by using a brush or compressed air.  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).  
Use only non-sparking tools.

**SECTION 7. HANDLING AND STORAGE****Handling**

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- Precautions for safe handling : Wear personal protective equipment.  
Avoid dust formation.  
Floors, walls and other surfaces must be regularly cleaned.  
The material can accumulate static charge and can therefore cause electrical ignition.  
Static charges on powders or powders in liquids may ignite combustible atmospheres.  
Take precautionary measures against static discharges.
- Advice on protection against fire and explosion : All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material, the design of the facility, and the manner in which the material is handled. A more detailed discussion can be found in NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids."

**Storage**

- Conditions for safe storage, including any incompatibilities : Keep only in the original container, tightly closed, in a well ventilated place.  
Store at room temperature.  
(Ambient temperature: > 0 < 35°C)  
Protect from atmospheric moisture and water.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.  
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
- Engineering measures : Provide exhaust ventilation if dust is formed.  
Use only in an area equipped with explosion proof exhaust ventilation.  
Electrical equipment should be protected to the appropriate standard.  
If formation of dust is observed, equipment has to be switched off, cleaned and serviced.
- Eye protection : Safety goggles

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- Hand protection : Latex gloves  
Gloves must be inspected prior to use.  
Replace when worn.
- Skin and body protection : Protective suit
- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hygiene measures : Take off all contaminated clothing immediately.  
Remove and wash contaminated clothing before re-use.  
When using do not eat or drink.  
Wash hands before breaks and at the end of workday.

**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state : crystalline
- Color : white
- Odor : odourless
- Odor threshold : Note: no data available
- pH : 2.4 at 20.00 g/l, 20 °C
- Melting point/range : 158 - 161 °C
- Boiling point/boiling range : 211 °C
- Flash point : Note: Not applicable
- Evaporation rate : Note: no data available
- Flammability : May form combustible dust concentrations in air.

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Upper explosion limit	: Note: no data available
Vapor pressure	: < 1 hPa at 100 °C(212 °F)
Vapor density	: Note: no data available
Density	: 1.440 g/cm3 at 20 °C
Water solubility	: 2 g/l at 20 °C
Solubility in other solvents	: Note: Soluble in most organic solvents
Partition coefficient: n-octanol/water	: log Pow: 2.21
Ignition temperature	: 549 °C
Decomposition temperature	: Note: No decomposition if used as directed.
Viscosity, dynamic	: Note: no data available
Viscosity, kinematic	: Note: no data available
Molecular weight	: 138.12 g/mol
Sublimation point	: 76 °C at 1,013.00 hPa
Bulk density	: 400 - 800 kg/m3

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Avoid dust formation and electrical charging (sparking) because dust explosion might occur. Protect from heat/overheating. Protect against light. Keep away from heat and sources of ignition.
Incompatible materials	: Strong oxidizing agents Strong bases Iodine Iron
Hazardous decomposition products	: Carbon oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50: 891 mg/kg Species: Rat
Acute inhalation toxicity	: LC50: > 0.9 mg/l Exposure time: 1 h Species: Rat
Acute dermal toxicity	: LD50: > 2,000 mg/kg Species: Rabbit
Skin irritation	: Species: Rabbit Result: No skin irritation



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- Eye irritation : Species: Rabbit  
Result: Risk of serious damage to eyes.
- Sensitisation : Note: no data available
- Genotoxicity in vitro : Test Method: Chromosome aberration test in vitro  
Cell type: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
Method: OECD Test Guideline 476
- : Test Method: In vitro gene mutation study in mammalian cells  
Cell type: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
Method: OECD Test Guideline 476
- : Test Method: reverse mutation assay  
Cell type: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Result: negative  
Method: OECD Test Guideline 471
- Genotoxicity in vivo : Test Method: Mutagenicity (in vivo mammalian bone-marrow  
cytogenetic test, chromosomal analysis)  
Species: Mouse, male  
Cell type: Bone marrow  
Application Route: Oral  
Method: OECD Test Guideline 475  
Result: negative
- Genotoxicity in vivo : Test Method: sister chromatid exchange assay  
Species: Mouse, male  
Cell type: Bone marrow  
Application Route: Intraperitoneal injection  
Result: negative

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

Toxicity to fish : flow-through test  
LC50: 1,370 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)  
Test substance: REACH dossier "read-across"

Toxicity to daphnia and other aquatic invertebrates : static test  
EC50: 870 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 202

Toxicity to algae : EC50: > 100 mg/l  
Exposure time: 72 h  
Species: scenedesmus subspicatus  
Method: OECD Test Guideline 201

**Elimination information (persistence and degradability)**

Biodegradability : Result: rapidly biodegradable  
Value: 100 %

**Further information on ecology****SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

**SECTION 14. TRANSPORT INFORMATION**

**DOT** Not dangerous goods

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**TDG** Not dangerous goods**IATA** Not dangerous goods**IMDG** Not dangerous goods**SECTION 15. REGULATORY INFORMATION****Inventories**US. Toxic Substances : On TSCA Inventory  
Control ActAustralia. Industrial : On the inventory, or in compliance with the inventory  
Chemical (Notification and  
Assessment) ActCanada. Canadian : All components of this product are on the Canadian DSL  
Environmental Protection  
Act (CEPA). Domestic  
Substances List (DSL)

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals : On the inventory, or in compliance with the inventory  
Inventory (KECI)Philippines. The Toxic : On the inventory, or in compliance with the inventory  
Substances and Hazardous  
and Nuclear Waste Control  
ActChina. Inventory of Existing : On the inventory, or in compliance with the inventory  
Chemical Substances  
(IECSC)New Zealand. Inventory of : On the inventory, or in compliance with the inventory  
Chemicals (NZIoC), as  
published by ERMA New  
Zealand

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**National regulatory information**

- SARA 302 Components** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313 Components** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- SARA 311/312 Hazards** : Acute Health Hazard
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health hazard	: 3	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process,

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unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group