

Version 1.5

Revision Date 16 APR 2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product information

DIHYDROXY ACETONE CRYSTAL

CAS-No. : 96-26-4
Relevant identified uses of the substance or mixture and uses advised against : Cosmetic ingredient
Intended Use

Relevant identified uses of the substance or mixture and uses advised against : Cosmetic ingredient
Intended Use
Fragrances

Company : Charkit Chemical Company LLC.
32 Haviland Street, Unit 1
Norwalk, CT 06854
203-299-3220
sales@charkit.com

Emergency telephone number : Chemtrec: 800-424-9300 (US) / +1-703-527-3887(Int'l)

SECTION 2. HAZARDS IDENTIFICATION

Classification according to HCS 2012 (29 CFR Parts 1910, 1915, and 1926)

Combustible dust : May form combustible dust concentrations in air.

Label elements

Labelling (REGULATION 29 CFR Parts 1910, 1915, and 1926).

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

Hazards not Otherwise Classified. :

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Please note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

Ingredients with unknown acute toxicity.:

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: **0 %**

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

None known.

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

First aid measures

Description of first aid measures

- | | |
|-------------------------|---|
| General advice | : Consult physician or Poison Control Center. The National Hotline for US Poison Control Centers is 1.800.222.1222; www.1-800-222-1222.info/poisonHelp.asp |
| If inhaled | : Get to fresh air immediately.
Consult Poison Control Center or physician if any symptoms develop. |
| In case of skin contact | : Rinse immediately with plenty of water for at least 15 minutes.
If skin irritation occurs, seek medical advice/attention.
Remove contaminated clothing and shoes.
Immediately seek medical attention if chemical entered ear canal.
When symptoms persist or in all cases of doubt seek medical advice. |
| In case of eye contact | : Remove contact lenses.
Immediately flush eyes for at least 15 minutes. Get medical attention. |
| If swallowed | : Do NOT induce vomiting.
Immediately consult Poison Control Center or physician. |
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Most important symptoms and effects, both acute and delayed

no data available

Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : no data available

Special hazards arising from the substance or mixture

Specific hazards during firefighting : no data available

Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.
Avoid high pressure water streams as this may spread burning powder or generate combustible dust clouds.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Evacuate personnel to safe areas.

Use personal protective equipment as required.

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

Material can create slippery conditions.

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Environmental precautions

Dispose of in accordance with local regulations.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air).
Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : When using do not eat, drink or smoke.
Avoid dust formation.

Advice on protection against fire and explosion : Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Refrigerated 2-10°C (35-50°F)
Preferably full, hermetically sealed no data available

Advice on common storage : Protect against light.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure limit(s) : None established

Exposure Assessment: Exposures are dependent on the product being handled, the potential for

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chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional respiratory protection.

Engineering measures

Ventilation: Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposures limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment

- Protective measures : Choose PPE based on a hazard assessment, taking into account to the concentration and amount of dangerous substances, and to the specific work-place conditions.
- Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.
Wear safety glasses with side-shields.
- Hand protection : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Respiratory protection : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse effects, including but not limited to respiratory irritation or odor, where indicated or required by the exposure assessment. Selection of air-purifying or positive-pressure supplied air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the actual or potential airborne concentrations. The type of cartridge or filter to be used must be selected and approved for the chemical, class, or classes of chemical(s) likely to be encountered in the workplace. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
- Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.
Wash hands before breaks and immediately after handling the product.
Avoid breathing dust.
Handle in accordance with good industrial hygiene and safety practice.
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See Section 16 for further information.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Form	: powder
Color	: white
Taste	: not determined
Odor	: not determined
Odour Threshold	: no data available
Flash point	: Not applicable
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: May form combustible dust concentrations in air.
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
pH	: no data available
Melting point	: not determined
Boiling point	: not determined
Vapor pressure	: no data available
Density	: no data available
Bulk density	: not determined
Solubility/qualitative	: no data available
Partition coefficient: n-octanol/water	: no data available
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: Generation of dust clouds.
Materials to avoid	: no data available
Hazardous decomposition products	: no data available
Chemical stability	: The product is chemically stable.
Reactivity	: none
Hazardous reactions	: no data available

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity : No data is available on the product itself.

Acute inhalation toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation : No data is available on the product itself.

Serious eye damage/eye irritation : No data is available on the product itself.

Respiratory or skin sensitisation : No data is available on the product itself.

Mutagenicity : No data is available on the product itself.

Reproductive toxicity : No data is available on the product itself.

Teratogenicity : No data is available on the product itself.

Carcinogenicity:

IARC : Remarks : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : Remarks : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : Remarks : 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.

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STOT - single exposure : No data is available on the product itself.

STOT - repeated exposure : No data is available on the product itself.

Aspiration hazard : No data is available on the product itself.

Further information : no data available

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SECTION 12. Ecological information

Ecological information is not reported.

SECTION 13. DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION

49CFR

Not regulated

IATA/ICAO

Not regulated

IMDG

Not regulated

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SECTION 15. REGULATORY INFORMATION

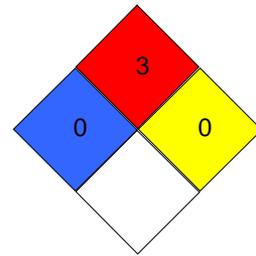
Only relevant information is reported

United States TSCA Inventory Status : On TSCA Inventory

SARA 311/312 Hazards. : Fire Hazard

SECTION 16. OTHER INFORMATION

NFPA Classification : Health hazard: 0
Fire Hazard: 3
Reactivity Hazard: 0



Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities" and NFPA 654 "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids", for safe handling guidance.

Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 69 222 25285		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	+81 3 4578 9341
	Italy	+39 02 3604 2884		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	+90 212 375 5231		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
Portugal	+351 30880 4750	Bangladesh	+65 3158 1200		

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	Denmark	+45 8988 2286		Philippines	+65 3158 1203
	Sweden	+46 8 566 42573		Vietnam	+84 8 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech republic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
Middle East/Africa	All Middle East/Africa	+44 1235 239671		New Zealand	+64 9 929 1483
	Bahrain and Middle East	+973 1619 8321		China	+86 21 6267 9090
	Africa/South Africa	+27 21 300 2732		Mexico	+52 55 5004 8763
NOAM	USA and Canada	+1 866 928 0789	LATAM	Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554	Global	Global	+44 1865 407333

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