

**Contact Organics Weed Terminator 20**

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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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<b>Supplier Name</b>	<b>Contact Organics (USA)</b>
<b>Address</b>	4947 US 75 Avenue MAURICE, IOWA 51036
<b>Telephone</b>	+1 (712) 567-4151
<b>Emergency</b>	+1 (712) 441-3911
<b>Email</b>	<a href="mailto:info@contactorganics.com">info@contactorganics.com</a>
<b>Web Site</b>	<a href="http://www.contactorganics.com">www.contactorganics.com</a>
<b>Synonym(s)</b>	None
<b>Use</b>	Herbicide concentrate.

This Safety Data Sheet describes the properties of the concentrated product based on the best available information. The physical properties and health assessments do not apply to the properties of the product when diluted for application. The product is practically non-hazardous when used at the recommended dilution rate.

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**2. HAZARDS IDENTIFICATION**

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**Classification of the substance or mixture:**

Corrosive to Metals, Category 1  
Skin Corrosion/Irritation, Category 2  
Serious eye damage, Category 1

**Signal Word**  
**Pictograms**

DANGER

**Hazard Statements**

May be corrosive to metals.  
Causes skin irritation.  
Causes serious eye damage.

**Precautionary Statements**

Preventative

Wash hands and exposed skin thoroughly after handling.  
Wear protective gloves, protective clothing, eye and face protection.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If skin irritation occurs: Get medical attention

Storage Store in a well ventilated place.

Disposal None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content (%w/w)
Acetic acid	64-19-7	15 - 25
Ingredients determined to be non-hazardous including water	Not available	10 - 30

### 4. FIRST AID MEASURES

**Eye contact** Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Inhalation** Remove to fresh air immediately. Get medical attention if discomfort or irritation persists.

**Skin contact** If skin or hair contact occurs, immediately remove contaminated clothing including footwear and wash skin and hair with soap and water. Wash contaminated clothing before re-use.

**Ingestion** Do **NOT** induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give liquid to a person showing signs of being sleepy or with reduced awareness. Give water to rinse out mouth, then provide liquid slowly and as much as patient can comfortably drink. Get medical advice without delay.

**Medical attention and special treatment** If medical attention is required, show this SDS or the product label to the physician.

**Most important symptoms caused by exposure** Irritation, nausea, headache, shortness of breath.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Use extinguishing media appropriate to the cause of the fire..

**Specific hazards:** May evolve toxic gases (including oxides of carbon and acidic vapors) when heated to decomposition.

**Special firefighting methods:**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combatting fire. Use water fog to cool intact containers and nearby storage areas. Prevent spillage from entering drains or water courses.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Protect skin and eyes from exposure and avoid breathing vapor.

**Environmental precautions**

Prevent from spreading and entering waterways by using sand, earth or other non-combustible material.

**Containment methods and clean up**

INITIAL CONTAINMENT: Contain spillage, then cover / absorb spill with absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

LARGE SPILLS PROCEDURE: Contain spilled material with sand, earth or other absorbent material. Prevent run-off into drains or waterways. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth into suitable containers for disposal.

SMALL SPILLS PROCEDURE: Dilute small spills with water. Dispose of diluted material as a weak acid in accordance with all local, state and federal requirements.

**7. STORAGE AND HANDLING****Precautions for safe handling**

Use safe work practices to avoid eye or skin contact and inhalation of vapor. Wear personal protective equipment (PPE) as specified in Section 8. Use product only in well-ventilated areas. Observe good personal hygiene, including washing hands before eating, drinking or smoking.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, away from incompatible materials and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Limits**

No permissible exposure limits (PEL) or threshold limit values (TLV) exist for this product. See table below for component materials:

Component	OSHA PEL (mg/m <sup>3</sup> )	NIOSH REL / IDLH (mg/m <sup>3</sup> )	ACGIH TLV / STEL (mg/m <sup>3</sup> )

Acetic acid	25	25 / 125	25 / 37
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STEL - Short Term Exposure Limit.  
TWA - Time Weighted Average

**Appropriate engineering controls**

No special engineering controls required when using this product. Use with good general ventilation.

**Individual protective measures and personal protective equipment (PPE)**

**Eye Protection:** Safety goggles. Contact lenses should not be worn when handling this product.

**Glove Type:** Impervious PVC, rubber or nitrile gloves.

**Clothing:** When using large quantities or where heavy contamination is likely, wear PVC, nitrile or rubber apron and enclosed shoes.

**Respirator:** Not required under normal conditions of use. Wear NIOSH/MSHA approved respiratory protective device where risk of inhalation of spray mist occurs.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear liquid	<b>Solubility (Water)</b>	Soluble
<b>Odour</b>	Strong vinegar	<b>Specific Gravity</b>	1.03
<b>Vapour Pressure</b>	Not determined	<b>% Volatiles</b>	Not determined
<b>Vapour Density</b>	Not determined	<b>Flammability</b>	Not combustible
<b>Boiling Point</b>	>100°C	<b>Flash Point</b>	> 100°C
<b>Melting Point</b>	Not determined	<b>pH (neat)</b>	2.5 – 3.5
<b>Evaporation Rate</b>	Not determined	<b>pH (1% in water)</b>	3 -4

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under recommended conditions of storage and use.
<b>Chemical Stability</b>	Stable under recommended conditions of storage and use.
<b>Conditions to Avoid</b>	Keep away from heat.
<b>Incompatible materials</b>	Keep away from strong oxidising agent, strong alkalis, bases, sulphides, carbonates and cyanides.
<b>Possible hazardous reactions</b>	Incompatible with mild steel, galvanised iron and zinc. Reacts with these materials to form hydrogen gas which can form explosive mixtures with air.
<b>Hazardous decomposition products</b>	Will evolve toxic gases including carbon oxides and acidic vapors when heated to decomposition.

**11. TOXICOLOGICAL INFORMATION**

<b>Routes of Entry</b>	Inhalation, ingestion and skin contact.
<b>Symptoms (acute)</b>	Respiratory irritation.

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<b>Delayed effects</b>	Repeated or prolonged exposure to acids may result in the erosion of teeth. Repeated minor exposure to acetic acid by mouth can cause blackening of the skin and teeth, erosion of the teeth, vomiting, diarrhea and nausea.
<b>Acute Toxicity</b>	No toxic effects are likely other than contact site irritation / damage.
<b>Skin corrosion / irritation</b>	Repeated or prolonged direct contact with the skin may produce chemical burns. Systemic effects may result from absorption of acetic acid through the skin. Open wounds, abraded, or irritated skin should not be exposed to this material.
<b>Serious eye damage / irritation</b>	If not removed immediately, will injure eye tissue which may result in permanent damage to the cornea and blindness.
<b>Carcinogenicity</b>	No evidence of a carcinogenic effect.
<b>Mutagenicity</b>	No evidence of a mutagenic effect.
<b>Teratogenicity</b>	No evidence of a teratogenic effect.
<b>Sensitization</b>	No evidence of a sensitizing effect.
<b>Reproductive toxicity</b>	No evidence of a reproductive effect.

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## 12. ECOLOGICAL INFORMATION

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<b>Overview</b>	This product is not considered harmful to the environment.
<b>Ecotoxicity</b>	This product is toxic to aquatic organisms due to the acidic nature of the product. Effects are transient due to rapid biodegradation of acetic acid.
<b>Persistence and Degradability</b>	Readily biodegradable.
<b>Mobility in soil</b>	Acetic acid is highly mobile in soil.
<b>Bioaccumulative potential</b>	None of the ingredients are considered to have the potential to bioaccumulate.
<b>Other adverse effects</b>	None known

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## 13. DISPOSAL CONSIDERATIONS

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<b>Waste disposal recommendations</b>	Dispose of in accordance with relevant local, state and federal legislation.
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## 14. TRANSPORT INFORMATION

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LAND TRANSPORT

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<b>SEA TRANSPORT</b>	Not classified as Dangerous Goods for transport or storage.
<b>Classification</b>	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
<b>AIR TRANSPORT</b>	
<b>Classification</b>	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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## 15. REGULATORY INFORMATION

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<b>RCRA (hazardous waste code)</b>	None of the ingredients is listed.
<b>Proposition 65 (California)</b>	<b>Chemicals known to cause cancer:</b> None of the ingredients is listed <b>Chemicals known to cause reproductive toxicity for females:</b> None of the ingredients is listed <b>Chemicals known to cause reproductive toxicity for males:</b> None of the ingredients is listed <b>Chemicals known to cause developmental toxicity:</b> None of the ingredients is listed
<b>Other Information</b>	<b>Abbreviations and acronyms:</b> IMDG: International Maritime Code for Dangerous Goods RCRA: Resource Conservation and Recovery Act (USA) TSCA: Toxic Substances Control Act (USA) DOT: US Department of Transportation GHS: Globally Harmonized System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)

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## 16. OTHER INFORMATION

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<b>Additional Information</b>	The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, personal protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control measures as appropriate.
<b>Report Status</b>	This document is based on the best available information on the date of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as

to accuracy or completeness is provided. As far as lawfully possible, Contact Organics accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

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**End of Report**