Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
GB/T 16483-2008, GB/T 17519-2013

Product Name Staticide 3000 Original Concentrate
Revision Date: 30-Jun-2025
Issuing Date 30-Jun-2025
(M)SDS Number ACL-014-CN
Version 1

1. Identification

Product identifier

Product Name Staticide 3000 Original Concentrate

SDS # ACL-014-CN

Other means of identification

UN/ID No UN1219

Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Supplier
ACL, Inc.
840 West 49th Place
Chicago, IL 60609
(847) 981-9112

E-mail address msds@aclstaticide.com

Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC: 861-400-120-0761 (CHINA)

Recommended use of the chemical and restrictions on use

Recommended use For industrial use

2. Hazard(s) identification

Emergency Overview

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Harmful to aquatic life with long lasting effects
Highly flammable liquid and vapor

Appearance Yellow liquid **Physical state** Liquid **Odor** Alcohol

Classification of the substance or mixture

Flammable liquids	Category 2
Acute toxicity - Oral	Category 5
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity - Single exposure	Category 3
Category 3 Target organ effects: Narcotic effects.	
Hazardous to the aquatic environment - acute	Category 3
Hazardous to the aquatic environment - chronic	Category 3

Label Elements

Signal word Danger

Hazard statements

Highly flammable liquid and vapor.
May be harmful if swallowed.
May be harmful in contact with skin.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

Avoid breathing dust, fume, gas, mist, vapors and spray.
Use only outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling.
Avoid release to the environment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Use explosion-proof electrical, ventilating and lighting equipment.
Ground and bond container and receiving equipment.
Use only non-sparking tools.
Take action to prevent static discharges.
Keep cool.
Wear protective gloves, protective clothing, eye protection and face protection.

Response

Call a POISON CENTER or doctor/physician if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Wash contaminated clothing before reuse.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Physical and chemical hazards
Highly flammable liquid and vapor. Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated.
Health Hazards
Immediate Health Effects: Harmful. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Causes skin irritation (pain, redness and swelling). Causes severe irritation (tears, blurred vision and redness). Irritating, but will not permanently injure eye tissue. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Chronic effects: Not applicable.

Environmental hazards
Dangerous for the environment. This material is a water pollutant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.
Other hazards which do not result in classification
No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	Weight-%	CAS No.
Isopropyl Alcohol	30-60	67-63-0
Alkyl dimethyl benzyl ammonium chloride (C12-18)	1-5	68391-01-5
Ethyl Alcohol	0.1-1	64-17-5
Diphenyl Oxide	0.1-1	101-84-8

4. First-aid measures

Description of necessary first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing. Difficulty in breathing.

Effects of Exposure No information available.

For Emergency Responders Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media
Large Fire Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Special exposure hazards in a fire Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Protective equipment and precautions for firefighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapors or mists.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Precautions to prevent secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

Precautions for safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

8. Exposure controls/personal protection

Occupational exposure limits

Chemical name	China	ACGIH TLV
Isopropyl Alcohol - 67-63-0	TWA: 350 mg/m^3; STEL: 700 mg/m^3;	TWA: 200 ppm STEL: 400 ppm
Ethyl Alcohol - 64-17-5	-	STEL: 1000 ppm
Diphenyl Oxide - 101-84-8	TWA: 7 mg/m^3; STEL: 14 mg/m^3;	TWA: 1 ppm vapor STEL: 2 ppm vapor fraction

Note See section 16 for terms and abbreviations

Biological occupational exposure limits

Chemical name	Biological standards	Monitoring and observation processes	ACGIH
Isopropyl Alcohol - 67-63-0	-	-	40 mg/L - urine (Acetone) - end of shift at end of workweek

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Tight sealing safety goggles.

Skin and body protection

Wear suitable protective clothing. Long sleeved clothing. Antistatic boots. Chemical resistant apron. Wear fire/flame resistant/retardant clothing.

Hand protection

Wear suitable gloves.

Respiratory protection

Use appropriate respiratory protection. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Yellow liquid
Color	Yellow
Physical state	Liquid
Odor	Alcohol
Odor Threshold	No information available

Property	**Values**	**Remarks • Method**
pH	6.5-7.5	None known
Melting point / freezing point	-86 °C	None known
Initial boiling point and boiling range	80 °C	None known
Flash point	No data available	None known
Evaporation rate	1.68	(Butyl Acetate=1)
Flammability (Solid, Gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	12%	
Lower flammability or explosive limits	2%	
Vapor Pressure	760 mm Hg	None known
Relative vapor density	2.07 (Isopropyl alcohol)	None known
Relative Density	0.91-0.95 g/cm2	25°C (77°F)
Water solubility	No data available Partially soluble	None known
Solubility(ies)	No data available	None known
Partition Coefficient	No data available	None known
Autoignition temperature	450 °C	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	37 cSt	(@25°C/77°F)
Dynamic viscosity	No data available	None known

Additional information

Explosive properties	No information available
Oxidizing properties	No information available
Particle characteristics	

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Sensitivity to static discharge Yes.

Conditions to avoid Heat, flames and sparks. Excessive heat.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous Decomposition Products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness. Harmful by inhalation. (based on components).

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing.

Acute toxicity Harmful by inhalation. May be harmful if swallowed. May be harmful in contact with skin.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	2,043.98 mg/kg
ATEmix (dermal)	2,076.50 mg/kg
ATEmix (inhalation-vapor)	15.10 mg/l

Unknown acute toxicity

74.812 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
72.592 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
77.032 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol	4710 - 5840 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h
Alkyl dimethyl benzyl ammonium chloride (C12-18)	= 850 mg/kg (Rat)	= 2300 mg/kg (Rabbit)	-
Ethyl Alcohol	= 7060 mg/kg (Rat)	-	= 116.9 mg/L (Rat) 4 h = 133.8 mg/L (Rat) 4 h
Diphenyl Oxide	= 2450 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	China	IARC
Isopropyl Alcohol	-	Group 3
Ethyl Alcohol	-	Group 1 - Carcinogenic to humans

Reproductive toxicity Not classified.

Specific target organ toxicity (single exposure) May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) Not classified.

Aspiration hazard Not classified.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Isopropyl Alcohol	EC50: >1000mg/L (96h, Desmodesmus subspicatus) EC50: >1000mg/L (72h, Desmodesmus subspicatus)	LC50: =9640mg/L (96h, Pimephales promelas) LC50: =11130mg/L (96h, Pimephales promelas) LC50: >1400000µg/L (96h, Lepomis macrochirus)	EC50: =13299mg/L (48h, Daphnia magna)
Ethyl Alcohol	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
Diphenyl Oxide	-	LC50: =4mg/L (96h, Pimephales promelas) LC50: 4 - 7.9mg/L (96h, Pimephales promelas)	LC50: 0.11 - 1.1mg/L (48h, Daphnia magna)

Persistence/Degradability No information available.

Bioaccumulative potential

Component Information

Chemical name	Partition coefficient
Isopropyl Alcohol	0.05
Ethyl Alcohol	-0.35
Diphenyl Oxide	4.21

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. Transport information

China

UN number or ID number	UN1219
Proper Shipping Name	Isopropanol Solution
Transport hazard class(es)	3
Packing group	II

IMDG

UN number or ID number	UN1219
Proper Shipping Name	Isopropanol Solution
Transport hazard class(es)	3
Packing Group	II
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

IATA

UN number or ID number	UN1219
Proper Shipping Name	Isopropanol Solution
Transport hazard class(es)	3
Packing group	II

Special precautions
Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

REGULATORY INFORMATION

National Regulations

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Catalog of occupational hazard factors: Listed. Chemical hazards.
Catalog of occupational diseases: Listed. Occupational poisoning.

Chemical name	Category
Isopropyl Alcohol	Chemical hazards
Diphenyl Oxide	Chemical hazards

Regulations on the Control over Safety of Hazardous Chemicals
Catalog of Hazardous Chemicals

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed. Verify that license requirements are met.

Flammable liquid - Category 2
Weight-% 46.24

Chemical name	Serial number	Hazardous chemicals
Isopropyl Alcohol	0111	Listed
Ethyl Alcohol	2568	Listed

GB 18218-2018 Identification of major hazard installations for dangerous chemicals

Chemical name	Threshold quantity (T)	Additional information
Ethyl Alcohol	500	-

List of hazardous chemicals under priority management Not applicable

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used
Inventory of highly toxic goods Not applicable

Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals
List of toxic chemicals severely restricted for import and export in China Not applicable

Measures for the Environmental Management of New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances Contact supplier for inventory compliance status.

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

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Revision Note:

Abbreviations and acronyms
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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