

ACEDIC ACID 60% (SCALETREAT SD 13224)

Page 1 of 7

Substance key: 000000566136

Revision Date: 11/28/2014

Version : 1 - 1 / CDN

Date of printing :12/03/2014

WHMIS controlled: yes
Class: B3
E

Section 01 - Product and company identification

Identification of the company:

Clariant (Canada) Inc.
2 Lone Oak Court
Toronto, Ontario M9C 5R9,

Information of the

substance/preparation: ESHA

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Emergency tel. number: +1 800-424-9300 CHEMTREC, +1
(703) 527-3887 INTERNATIONAL

Trade name: SCALETREAT SD 13224

Material number: 280990

Chemical family: Mixture

Primary product use: Additive

Section 02 - Hazards identification

Health effects of exposure:

Harmful by ingestion. Contact with eyes will cause severe irritation and may cause permanent eye damage. May cause irritation to skin and respiratory system. Risk of irreversible effects. Acetic acid: corrosive. Inhalation may cause severe damage to the respiratory tract. Breathing difficulties may occur. Ingestion can cause severe injury leading to death. Ingestion of 1 ml has resulted in perforation of the esophagus. Contact with concentrated solutions will cause skin burns and permanent damage. High vapour concentrations may cause skin sensitization. Eye contact with concentrated solutions may cause severe eye damage followed by loss of sight. Exposure to vapours may cause intense watering and irritation to eyes. Repeated or prolonged exposures may cause darkening of the skin, erosion of exposed front teeth and chronic inflammation of the nose, throat and bronchial tubes. Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Acetic acid	64-19-7	60 - 100 %

Section 04 - First aid measures

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 2 of 7

Substance key: 000000566136
Version : 1 - 1 / CDN

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After inhalation:

If inhaled, remove immediately to fresh air; if not breathing give artificial respiration; obtain medical help.

After contact with skin:

After contact with skin, wash immediately with plenty of water.
Get immediate medical advice/ attention.

After contact with eyes:

Rinse immediately with plenty of water for at least 15 minutes.
Get immediate medical advice/ attention.

After ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.
Get immediate medical advice/ attention.

Advice to doctor / Treatment:

Treat symptomatically.

Section 05 - Fire fighting measures

Flashpoint:	37 °C Method: closed cup
Lower explosion limit:	4 %(V)
Upper explosion limit:	17 %(V)
Self ignition:	427 °C
Extinguishing media:	water Foam Dry powder

Special fire fighting procedure:

Cool container and metallic parts with a water spray jet
Set up threefold fire attack, use extinguishants singly or in combination, equip branchman and support team with complete protective apparatus.

Hazardous combustion products:

irritating fumes

Section 06 - Accidental release measures

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 3 of 7

Substance key: 00000566136
Version : 1 - 1 / CDN

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Steps to be taken in case of spill or leak:

- Evacuate endangered area, seal off area.
- Flammable liquid, flashpoint < 55 ° C
- Provide adequate ventilation.
- Call the fire-brigade immediately.
- The liquid is toxic or corrosive.
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Formation of explosive gas/air mixtures.
- Do not empty into drains.
- Do not dispose of waste into sewer.
- Wear suitable protective equipment.
- Take up as such and consider recycling.

Section 07 - Handling and storage

Advice on safe handling:

- Keep away from heat.
- Handle substance within a closed system.
- Take precautionary measures against static discharges.
- With Local Exhaust Ventilation
- Keep container tightly closed.
- Keep container in a well-ventilated place.
- Effective exhaust ventilation system
- Keep away sources of ignition.

Further info on storage conditions:

- Protect from moisture.
- Protect against water.

Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number	Regulatory list	Type of value	Value 1	Value 2
Acetic acid	64-19-7	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time-weighted average	10 ppm	
Acetic acid	64-19-7	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	15 ppm	

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Hand protection: Chemical resistant gloves

Eye protection: Tightly fitting safety goggles

Other protective equipment: Wear suitable protective clothing.

Section 09 - Physical and chemical properties

Form: liquid

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 4 of 7

Substance key: 000000566136
Version : 1 - 1 / CDN

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Color:	colourless
Odor:	pungent, foul-smelling
Odor limit:	1 ppm
pH:	3 (20 °C, 10 g/l)
pH:	2.5 (20 °C, 50 g/l)
Solubility in water:	miscible
Soluble in ... :	ethyl alcohol 94% gg denat. (20 °C) miscible
Soluble in ... :	Diethylether (20 °C) miscible
Density:	1,049.280 - 1,052.400 g/l (20 °C, 1,013 hPa)
Melting point :	approximately 15.1 - 16.8 °C
Boiling point :	approximately 118.1 °C (1,013 hPa)
Sublimation point :	unknown (1,013 hPa)

Section 10 - Stability and reactivity

Thermal decomposition:	No decomposition if used as directed.
Chemical stability:	
Hazardous Polymerization:	Conditions to avoid: Stable under normal conditions.
Incompatibility with (Conditions to avoid) :	Avoid moisture. Heat. ignition
Hazardous decomposition products	irritating fumes

Section 11 - Toxicological information

Acute oral toxicity:	LD50 3,310 mg/kg (Rat)
Acute oral toxicity:	LD0 1,200 mg/kg (Rabbit)
Acute inhalation toxicity:	LC0 39,940 mg/m3 (4 h, Rat)
Acute inhalation toxicity:	LC50 14,030 mg/m3 (1 h, Mouse)
Acute dermal toxicity:	LD50 1,060 mg/kg (Rabbit)
Skin irritation:	Corrosive (Humans)
Eye irritation:	Risk of serious damage to eyes. (Humans)

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 5 of 7

Substance key: 000000566136
Version : 1 - 1 / CDN

Revision Date: 11/28/2014
Date of printing :12/03/2014

Section 12 - Ecological information

Product information:

Biodegradation:	99 % (5 d, Biochemical Oxygen Demand (BOD)) well degradable in biol. waste water treatment plant
Biodegradation:	52 - 62 % (5 d, Biochemical Oxygen Demand (BOD))
Biodegradation:	98 % well degradable in biol. waste water treatment plant Method: ECT IND = OECD 301D with activated sludge from ind.WTP
Fish toxicity:	LC0 368 mg/l (48 h, Leuciscus idus (Golden orfe)) LC50 410 mg/l (48 h, Leuciscus idus (Golden orfe)) LC100 452 mg/l (48 h, Leuciscus idus (Golden orfe)) LC50 75 mg/l (96 h, Lepomis macrochirus (Bluegill sunfish)) LC0 10 mg/l (Carassius auratus (goldfish)) LC0 100 mg/l (24 h, creek chub (semotilus atromaculatus)) LC100 200 mg/l (24 h, creek chub (semotilus atromaculatus)) LC0 25 mg/l (Oncorhynchus mykiss (rainbow trout)) LC50 50 mg/l (Oncorhynchus mykiss (rainbow trout)) LC50 79 mg/l (96 h, Pimephales promelas (fathead minnow)) LC0 15 mg/l (Cyprinus carpio (Carp))
Daphnia toxicity:	EC50 47 mg/l (24 h, Daphnia magna (Water flea)) EC0 78 mg/l (24 h, Daphnia magna (Water flea)) EC50 95 mg/l (24 h, Daphnia magna (Water flea)) EC100 114 mg/l (24 h, Daphnia magna (Water flea)) EC0 950 mg/l (24 h, Daphnia magna (Water flea)) EC50 6,000 mg/l (24 h, Daphnia magna (Water flea)) EC100 7,145 mg/l (24 h, Daphnia magna (Water flea))
Algae toxicity:	IC0 4,000 mg/l (192 h, Scenedesmus quadricauda (Green algae)) Method: Bringmann-Kuehn IC0 90 mg/l (192 h, Microcystis aeruginosa) Method: Bringmann-Kuehn
Bacteria toxicity:	IC0 2,850 mg/l (16 h, Pseudomonas putida) IC50 11 mg/l (1 h, Photobacterium phosphoreum)

Section 13 - Disposal considerations

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 6 of 7

Substance key: 000000566136

Revision Date: 11/28/2014

Version : 1 - 1 / CDN

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Waste disposal information:

Reuse according to instructions of the plant manager or ask supplier.
recommended
Recycling
Incineration in controlled furnace.
possible
Incineration
Product must not be released into water without pre-treatment.
Disposal considerations

Section 14 - Transport information

TDG

Proper shipping name: Acetic acid, glacial
Class: 8
Packing group: II
UN/ID number: UN 2789
Primary risk: 8
Subsidiary risk: 3
Remarks: Shipment permitted

IATA

Proper shipping name: Acetic acid, glacial
Class: 8
Packing group: II
UN/ID number: UN 2789
Primary risk: 8
Subsidiary risk: 3
Remarks: Shipment permitted

IMDG

Proper shipping name: Acetic acid, glacial
Class: 8
Packing group: II
UN no.: UN 2789
Primary risk: 8
Subsidiary risk: 3
E m S: F-E S-C

Section 15 - Regulatory information

Registration status

DSL: yes
NDSL: no

Section 16 - Other information

MATERIAL SAFETY DATA SHEET

SCALETREAT SD 13224

Page 7 of 7

Substance key: 000000566136
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WHMIS



Corrosive
Combustible material
Causes eye, skin, and respiratory tract irritation.
Harmful if swallowed or if inhaled

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