



# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 05/03/2010

Reviewed on 01/20/2010

## 1 Identification of substance

- **Product details**
- **Trade name:** ALT Activator/Cleaner
- **Article number:** 119-000-xxx-u
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**  
ALT Global, LLC  
3 Edison Place,  
Fairfield, NJ 07004 USA  
Tel: 973-287-6158  
Fax: 973-287-6159
- **Information department:** Tel.: 973-287-6158
- **Emergency information:**  
For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night

DOMESTIC NORTH AMERIKA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 ( collect calls accepted )

## 2 Composition/Data on components

- **Chemical characterization:**
- **CAS No. Description**  
141-78-6 ethyl acetate
- **Identification number(s)**
- **EINECS Number:** 205-500-4
- **Index number:** 607-022-00-5

## 3 Hazards identification

- **Hazard description:**



Irritant  
Highly flammable

- **Information pertaining to particular dangers for man and environment:**  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
Highly flammable.  
Irritating to eyes.  
Repeated exposure may cause skin dryness or cracking.  
Vapours may cause drowsiness and dizziness.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 3  
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

## 4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **The following symptoms may occur:**  
Narkose  
Headache  
Nausea  
Reizwirkung auf Haut, Augen und Atmungsorgane.

## 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
Carbon monoxide (CO)
- **Protective equipment:**  
Wear fully protective suit.  
Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

## 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation  
Keep away from ignition sources  
Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Dispose contaminated material as waste according to item 13.
- **Additional information:** Es besteht Explosionsgefahr.

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## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**
  - Keep receptacles tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
  - Fumes can combine with air to form an explosive mixture.
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
  - Use explosion-proof apparatus / fittings and spark-proof tools.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

### 141-78-6 ethyl acetate

PEL	1400 mg/m <sup>3</sup> , 400 ppm
REL	1400 mg/m <sup>3</sup> , 400 ppm
TLV	1440 mg/m <sup>3</sup> , 400 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
- **Breathing equipment:**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
  - Short term filter device:
  - Filter A/P2
- **Protection of hands:**
- **Material of gloves**
  - Butyl rubber, BR
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
  - Butyl rubber, BR
- **Eye protection:**



Tightly sealed goggles

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· **Body protection:** Protective work clothing

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## 9 Physical and chemical properties

### · General Information

**Form:** Fluid  
**Color:** Colorless  
**Odor:** Fruit-like

### · Change in condition

**Melting point/Melting range:** -83.57°C (-118°F)  
**Boiling point/Boiling range:** 77°C (171°F)

· **Flash point:** -4°C (25°F)

· **Ignition temperature:** 460°C (860°F)

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

### · Explosion limits:

**Lower:** 2.1 Vol %  
**Upper:** 11.5 Vol %

· **Vapor pressure at 20°C (68°F):** 100 mbar

· **Density at 20°C (68°F):** 0.9 g/cm<sup>3</sup>

### · Solubility in / Miscibility with

**Water at 20°C (68°F):** 79 g/l

· **pH-value at 20°C (68°F):** neutral

### · Viscosity:

**Dynamic at 20°C (68°F):** 0.5 mPas  
**Organic solvents:** 100.0 %  
**VOC content:** 900.0 g/l / 7.51 lb/gal

## 10 Stability and reactivity

### · Dangerous reactions

Reacts violently with oxidizing agents.  
 Reacts with acids, alkalis and oxidizing agents.

· **Dangerous products of decomposition:** Ethanoic acid

## 11 Toxicological information

### · Acute toxicity:

#### · LD/LC50 values that are relevant for classification:

##### 141-78-6 ethyl acetate

Oral	LD50	5620 mg/kg (rabbit)
Dermal	LD50	>18000 mg/kg (rat)
Inhalative	LC50/4 h	56 mg/l (rat)

### · Primary irritant effect:

· **on the skin:** No irritant effect.  
 · **on the eye:** Irritating effect.

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· **Sensitization:** No sensitizing effects known.

## 12 Ecological information

· **Information about elimination (persistence and degradability):** Easily biodegradable· **Ecotoxicological effects:**· **Acquatic toxicity:****141-78-6 ethyl acetate**

EC50/48h 717 mg/l (daphnia)

LC50/96h 230 mg/l (oncorhynchus mykiss, regenbogenforelle)

· **General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

· **Product:**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **DOT regulations:**· **Hazard class:**

3

· **Identification number:**

UN1263

· **Packing group:**

II

· **Proper shipping name (technical name):** PAINT· **Label**

3

· **Land transport ADR/RID (cross-border):**· **ADR/RID class:**

3 Flammable liquids

· **Danger code (Kemler):**

33

· **UN-Number:**

1263

· **Packaging group:**

II

· **Label:**

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· **Description of goods:** 1263 PAINT

· **Maritime transport IMDG:**



· **IMDG Class:** 3  
 · **UN Number:** 1263  
 · **Label:** 3  
 · **Packaging group:** II  
 · **EMS Number:** F-E,S-E  
 · **Marine pollutant:** No  
 · **Propper shipping name:** PAINT

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3  
 · **UN/ID Number:** 1263  
 · **Label:** 3  
 · **Packaging group:** II  
 · **Propper shipping name:** PAINT

## 15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

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· **NTP (National Toxicology Program)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Irritant

Highly flammable

· **Risk phrases:**

Highly flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

Keep away from sources of ignition - No smoking.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Take precautionary measures against static discharges.

· **National regulations:**

· **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Division product safety

· **Contact:** Division product safety

· \* **Data compared to the previous version altered.**