# 1 Identification

## Product identifier

**Trade name:** *EXP 2086*

**SDS ID Number:** 30498

### Relevant identified uses of the substance or mixture, and uses advised against:

Specialty construction chemical or material. Not intended for other uses.

## Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140 USA

GCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

**Information department:**

msds.gcp@gcpat.com

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
  +1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts

CAN: 1-905-683-8561 (24 hours)

Email address: msds.gcp@gcpat.com

**Transport Emergency:** Chemtrec +1-800-424-9300 (24 hours)

# 2 Hazard(s) Identification

## Classification of the substance or mixture

- Flammable liquid and vapor.
- Causes serious eye damage.
- May cause drowsiness or dizziness.

### Label elements:

The product is classified and labeled according to the Globally Harmonized System (GHS)

## Hazard pictograms

<table>
<thead>
<tr>
<th><img src="image1" alt="" /></th>
<th><img src="image2" alt="" /></th>
<th><img src="image3" alt="" /></th>
</tr>
</thead>
</table>

**Hazard statements**

- Flammable liquid and vapor.
- Causes serious eye damage.
- May cause drowsiness or dizziness.

**Precautionary statements**

- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Ground/bond container and receiving equipment.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection.
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

(Cont. on page 2)
Trade name: EXP 2086

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Store in a well-ventilated place. Keep cool.

Hazard description: Flammable

NFPA ratings (scale 0 - 4)

Health = 3
Fire = 3
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH 3
FIRE 3
REACTIVITY 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixture

Hazardous components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td></td>
<td>30-&lt;40%</td>
</tr>
<tr>
<td>EC number: 927-241-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>112926-00-8 Silica, amorphous, precipitated and gel</td>
<td></td>
<td>7.5-&lt;10%</td>
</tr>
<tr>
<td>87-69-4 (+)-tartaric acid</td>
<td></td>
<td>3-&lt;5%</td>
</tr>
<tr>
<td>77-92-9 Citric acid</td>
<td></td>
<td>3-&lt;5%</td>
</tr>
<tr>
<td>61791-53-5 Amines, N-tallow alkyltrimethylene-oleates</td>
<td></td>
<td>3-&lt;5%</td>
</tr>
</tbody>
</table>

Additional information: Non-hazardous ingredients may be listed in Section 15; Right-To-Know disclosure.

4 First-aid measures

Description of first aid measures

General information: Get medical advice/attention if you feel unwell.

After inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.
5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Wear personal protective equipment.

Additional information
Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and material for containment and cleaning up:
Use neutralizing agent.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to section 13 of the SDS.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling
Prevent formation of aerosols.
Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.
Do not eat, drink or smoke when using this product.
Keep only in original container.
Use only outdoors or in a well-ventilated area.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
Empty containers may retain hazardous residue, both liquid and vapor.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Ground/bond container and receiving equipment.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** Use only receptacles specifically permitted for this substance/product.

**Further information about storage conditions:**

Protect from frost.
Store in a dry place.
Store receptacle in a well ventilated area.
Keep cool.

**Specific end use(s)** No further relevant information available.

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### 8 Exposure controls/personal protection

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

**Control parameters**

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>112926-00-8 Silica, amorphous, precipitated and gel</td>
</tr>
<tr>
<td>PEL (USA) 20mppcf or 80mg/m³ /%SiO₂</td>
</tr>
<tr>
<td>REL (USA) Long-term value: 6 mg/m³</td>
</tr>
<tr>
<td>See Pocket Guide App. C</td>
</tr>
<tr>
<td>TLV (USA) TLV withdrawn</td>
</tr>
</tbody>
</table>

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:**

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

**Protection of hands:** Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves**

Nitrile rubber.
Rubber or other impervious gloves should be worn to prevent skin contact.
PVC gloves

**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.
### 9 Physical and chemical properties

#### General Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Brown</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>pH-value (~)</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

#### Change in condition

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Melting point/Melting range</strong></td>
<td>Undetermined</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range</strong></td>
<td>130 °C (266 °F)</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>23 °C (73.4 °F)</td>
</tr>
</tbody>
</table>

#### Flammability (solid, gaseous): Not applicable.

#### Ignition temperature:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ignition temperature</strong></td>
<td>&gt;230 °C (&gt;446 °F)</td>
</tr>
</tbody>
</table>

#### Decomposition temperature:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Auto igniting</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Danger of explosion</strong></td>
<td>In use, may form flammable/explosive vapor-air mixture.</td>
</tr>
</tbody>
</table>

#### Explosion limits:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lower</strong></td>
<td>0.6 Vol %</td>
</tr>
<tr>
<td><strong>Upper</strong></td>
<td>6.5 Vol %</td>
</tr>
<tr>
<td><strong>VOC Content (max)</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

#### Vapor pressure at 20 °C (68 °F):

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vapor pressure at 20 °C (68 °F)</strong></td>
<td>1 hPa (0.8 mm Hg)</td>
</tr>
</tbody>
</table>

#### Density: (~) at 20 °C (68 °F):

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Density</strong></td>
<td>1.1 g/cm³ (9.2 lbs/gal)</td>
</tr>
</tbody>
</table>

#### Vapor density:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

#### Evaporation rate:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

#### Solubility in / Miscibility with Water:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solubility in / Miscibility with Water</strong></td>
<td>Not miscible or difficult to mix.</td>
</tr>
</tbody>
</table>

#### Partition coefficient (n-octanol/water):

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

#### Viscosity:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dynamic</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Kinematic at 20 °C (68 °F)</strong></td>
<td>100 s (ISO 4 mm)</td>
</tr>
</tbody>
</table>

#### Molecular weight:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular weight</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
10 Stability and reactivity

Reactivity
Stable under normal conditions.
No further relevant information available.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions
No dangerous reactions known.
No further relevant information available.

Conditions to avoid Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
EC number: 927-241-2
Dermal LD50 >2,000 mg/kg (rat)
LD50 >2,000 mg/kg (rabbit)

77-92-9 Citric acid
Dermal LD50 6,730 mg/kg (rat)

61791-53-5 Amines, N-tallow alkyltrimethylenedi-, oleates
LC50, 96h >0.1-1 mg/l (fish) (Test Guideline 203)

Primary irritant effect:

on the skin: No irritating effect expected
on the eye: Causes serious eye damage.

inhalation: No irritating effect expected

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer) Human Carcinogenicity:
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

<table>
<thead>
<tr>
<th>Compound</th>
<th>IARC Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>112926-00-8 Silica, amorphous, precipitated and gel</td>
<td>3</td>
</tr>
<tr>
<td>13463-67-7 Titanium dioxide</td>
<td>2B</td>
</tr>
<tr>
<td>1309-37-1 Iron oxide</td>
<td>3</td>
</tr>
<tr>
<td>1308-38-9 Chromium (III) oxide</td>
<td>3</td>
</tr>
<tr>
<td>7631-86-9 Silicon dioxide, amorphous, chemically prepared</td>
<td>3</td>
</tr>
</tbody>
</table>

NTP (National Toxicology Program)

K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic

None of the ingredients are listed.
12 Ecological information

Toxicity

Aquatic toxicity:

61791-53-5 Amines, N-tallow alkyltrimethylene-, oleates
EC50, 72h >0.01-0.1 mg/l (algae)
EC50, 48h >0.1-1 mg/l (daphnia magna)

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Disposal methods:
Recommendation:

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

Uncleaned packagings:
Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

14 Transport information

UN-Number
DOT, IMDG, IATA UN1263

UN proper shipping name
DOT Paint
IMDG, IATA PAINT
Transport hazard class(es)

DOT

Class 3 Flammable liquids
Label 3

IMDG, IATA

Class 3 Flammable liquids
Label 3

Packing group

DOT, IMDG, IATA III

Environmental hazards: Not applicable.

Special precautions for user
Warning: Flammable liquids
Danger code (Kemler): 30
EMS Number: F-E,S-E
Stowage Category A

Transport/Additional information:

IMDG

Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

15 Regulatory information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):
None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:
Physical Hazard - Flammable (gases, aerosols, liquids, or solids)
Health Hazard - Serious eye damage or eye irritation
Health Hazard - Specific target organ toxicity (single or repeated exposure)

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):
All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):
All ingredients are listed or exempt from listing unless otherwise noted below.

Right to Know Ingredient Disclosure:
65997-05-9 Rosin, polymerized
8006-54-0 Lanolin
13463-67-7 Titanium dioxide
### California Proposition 65: (Substances <0.1% unless noted in Section 3)

- **Chemicals known to cause cancer:**
  - All ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**
  - None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**
  - None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**
  - None of the ingredients are listed.

### Carcinogenicity Categories

| TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists) |  
|--------------------------|------------------|
| Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable |  
| Titanium dioxide | A4  

| NIOSH-Cancer (National Institute for Occupational Safety and Health) |  
|--------------------------|------------------|
| 13463-67-7 Titanium dioxide |  

**Volatile Organic Compounds (VOC) reported per the Emission Standards:** 421.9 g/l / 3.52 lb/gal

### 16 Other information

The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection.

**Department issuing SDS:**

GCP Produits de Construction SAS  
ZA des Foulletons,  
39140 Larnaud  
Tel : +(33) 3 84 48 48 60  
Fax : +(33) 3 84 48 48 61  
GCP Applied Technologies  
62 Whittemore Avenue  
Cambridge, MA 02140 USA  
USA: +1-617-876-1400 (24 hours)  
+1-800-354-5414  

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**Number of revision times and the latest revision date** 1.0 / 06/20/2019