

Safety Data Sheet

Printing date 07/09/2018

Version Number 1.0

Reviewed on 07/09/2018

1 Identification

Product identifier

Trade name: ***EXP 2084***

SDS ID Number: 30822

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

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

Product category Concrete Admixture

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:

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 irritation.

May cause drowsiness or dizziness.

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

Hazard pictograms



GHS02 GHS07

Warning

Hazard statements

Flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Precautionary statements

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

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.

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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.
 Call a poison center/doctor if you feel unwell.
 If eye irritation persists: Get medical advice/attention.
 Store in a well-ventilated place. Keep cool.

Hazard description: Flammable**NFPA ratings (scale 0 - 4)**

Health = 2
 Fire = 3
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *2
 Flammability = 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:**

	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics EC number: 927-241-2	40-<50%
112926-00-8	Silica, amorphous, precipitated and gel	10-<15%
61791-53-5	Amines, N-tallow alkyltrimethylènedi-, oleates	1-<3%
87-69-4	(+)-tartaric acid	1-<3%
133-37-9	Tartaric acid	1-<3%

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 symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

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** Irritating to eyes.

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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

Combustion products may include toxic gases such as carbon monoxide and smoke.

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:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

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

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Do not eat, drink or smoke when using this product.

Keep only in original container.

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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).

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.

8 Exposure controls/personal protection

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

Control parameters**Components with limit values that require monitoring at the workplace:****112926-00-8 Silica, amorphous, precipitated and gel**

PEL (USA)	20mppcf or 80mg/m ³ /%SiO ₂
REL (USA)	Long-term value: 6 mg/m ³ See Pocket Guide App. C
TLV (USA)	TLV withdrawn

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

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

PVC gloves

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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.

Eye protection:

Safety glasses with side shield protection.



A face shield should also be worn if there is potential exposure to splash or spray.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information**Appearance:**

Form:	Liquid
Color:	Pink
Odor:	Characteristic
Odor threshold:	Not applicable.

pH-value (~): Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
Flash point:	23 °C (73.4 °F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: >230 °C (>446 °F)

Decomposition temperature: Not applicable under normal storage conditions.

Auto igniting: Not determined.

Danger of explosion: In use, may form flammable/explosive vapor-air mixture.

Explosion limits:

Lower:	0.6 Vol %
Upper:	6.5 Vol %
VOC Content (max):	Not determined.

Vapor pressure at 20 °C (68 °F):	1 hPa (0.8 mm Hg)
Density: (~) at 20 °C (68 °F)	1 g/cm ³ (8.3 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	110 s (ISO 4 mm)

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Molecular weight	Not applicable.
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity Stable under normal conditions.

Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

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)

61791-53-5 Amines, N-tallow alkyltrimethylènedi-, oleates

LC50, 96h	>0.1-1 mg/l (fish) (Test Guideline 203)
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Primary irritant effect:

on the skin: No irritating effect expected

on the eye: Causes serious eye irritation.

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

112926-00-8	Silica, amorphous, precipitated and gel	3
13463-67-7	Titanium dioxide	2B

NTP (National Toxicology Program)

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

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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12 Ecological information**Toxicity****Aquatic toxicity:****61791-53-5 Amines, N-tallow alkyltrimethylènedi-, oleates**

EC10	>1 mg/l (daphnia magna)
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:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

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:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing product for disposal. Dispose of waste in accordance with all applicable regulations.

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	PAINT (Amines, N-tallow alkyltrimethylènedi-, oleates), MARINE POLLUTANT
IATA	PAINT

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Transport hazard class(es)**DOT**

Class 3 Flammable liquids
Label 3

IMDG

Class 3 Flammable liquids
Label 3

IATA

Class 3 Flammable liquids
Label 3

Packing group
DOT, IMDG, IATA

III

Environmental hazards: Product contains environmentally hazardous substances: Amines, N-tallow
 alkyltrimethylènedi-, oleates
Marine pollutant: Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)

Special precautions for user Warning: Flammable liquids
Danger code (Kemler): 33
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)

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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

13463-67-7 Titanium dioxide

8006-54-0 Lanolin

California Proposition 65: (Substances <0.1% unless noted in Section 3)**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is 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. 406.7 g/l / 3.39 lb/gl**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.

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