

# Safety Data Sheet

## LF01 Low VOC Flattener

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### 1. Identification

#### Product identifier used on the label

#### LF01 Low VOC Flattener

#### Recommended use of the chemical and restriction on use

Recommended use\*: Paints, Coatings and Related Materials; for industrial use only

Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
Repr.	1 (unborn child)	Reproductive toxicity
Repr.	1 (fertility)	Reproductive toxicity
STOT SE	3 (irritating to respiratory system)	Specific target organ toxicity — single exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute

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Aquatic Chronic  
Flam. Liq.

3  
2

Hazardous to the aquatic environment - chronic  
Flammable liquids

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360	May damage fertility. May damage the unborn child.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

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P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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### Hazards not otherwise classified

No applicable information available.

## 3. Composition / Information on Ingredients

### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Acetone

CAS Number: 67-64-1  
Content (W/W):  $\geq 7.0$  -  $< 10.0\%$   
Synonym: Acetone

dibutyltin dilaurate

CAS Number: 77-58-7  
Content (W/W):  $\geq 0.1$  -  $< 0.2\%$   
Synonym: Dibutylbis[1-oxododecyl]oxy]stannane; Dibutyltin dilaurate

ethylbenzene

CAS Number: 100-41-4  
Content (W/W):  $\geq 0.0$  -  $< 0.1\%$   
Synonym: Ethylbenzene

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate

CAS Number: 41556-26-7  
Content (W/W):  $\geq 1.0$  -  $< 3.0\%$   
Synonym: Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidyl) ester

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

CAS Number: 82919-37-7  
Content (W/W):  $\geq 0.3$  -  $< 1.0\%$   
Synonym: Decanedioic acid, 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidyl) ester

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene

CAS Number: 98-56-6  
Content (W/W):  $\geq 50.0$  -  $< 75.0\%$   
Synonym: No data available.

## 4. First-Aid Measures

### Description of first aid measures

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### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

### If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

### If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

### If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

## Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

*Information on: dibutyltin dilaurate*

*Symptoms: Overexposure may cause:, unconsciousness, vomiting, abdominal cramps, dyspnea, diarrhea, coughing*

*Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Symptoms: Overexposure may cause:, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Symptoms: Overexposure may cause:, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene*

*Symptoms: Overexposure may cause:, lethargy, nausea, headache, dizziness*

## Indication of any immediate medical attention and special treatment needed

### Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, dry powder, water spray

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Unsuitable extinguishing media for safety reasons:  
water jet

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

### Methods and material for containment and cleaning up

Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

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## 7. Handling and Storage

### Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.

Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

### Conditions for safe storage, including any incompatibilities

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Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from strong acids.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), Stove-lacquer KNS L-5X, Stove-lacquer Valspar HXR008F red

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability:

Consult local fire marshal for storage requirements.

Protect from temperatures above: 49 °C

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

Acetone	ACGIH, US:	TWA value 250 ppm ;
	ACGIH, US:	STEL value 500 ppm ;
	OSHA Z1:	PEL 1,000 ppm 2,400 mg/m3 ;
	OSHA Z1A:	STEL value 1,000 ppm 2,400 mg/m3 ;
	OSHA Z1A:	TWA value 750 ppm 1,800 mg/m3 ;
dibutyltin dilaurate	ACGIH, US:	TWA value 0.1 mg/m3 (tin (Sn));
	ACGIH, US:	STEL value 0.2 mg/m3 (tin (Sn));
	OSHA Z1:	PEL 0.1 mg/m3 (tin (Sn));
	OSHA Z1A:	TWA value 0.1 mg/m3 (tin (Sn));
	OSHA Z1A:	SKIN_FINAL (tin (Sn)); The substance can be absorbed through the skin.
	ACGIH, US:	Skin Designation (tin (Sn)); Danger of cutaneous absorption
ethylbenzene	ACGIH, US:	TWA value 20 ppm ;
	OSHA Z1:	PEL 100 ppm 435 mg/m3 ;
	OSHA Z1A:	STEL value 125 ppm 545 mg/m3 ;
	OSHA Z1A:	TWA value 100 ppm 435 mg/m3 ;

### **Advice on system design:**

General mechanical ventilation should comply with OSHA 1910.94.

Provide local exhaust ventilation to maintain recommended P.E.L.

### Personal protective equipment

#### **Respiratory protection:**

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

#### **Hand protection:**

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

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### Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

### Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing.

Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

## 9. Physical and Chemical Properties

Form:	liquid	
Odour:	No data available.	
Odour threshold:	No applicable information available.	
Colour:	milky white	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Freezing point:	No applicable information available.	
Boiling range:	56.00 - 2,230.00 °C 132.80 - 4,046.00 °F	
Sublimation point:	No applicable information available.	
Flash point:	6.11 °C 43.00 °F	
Flammability:	No applicable information available.	
Lower explosion limit:	0.90 %(V)	
Upper explosion limit:	12.80 %(V)	
Autoignition:	No applicable information available.	
Vapour pressure:	No applicable information available.	
Density:	1.2778 g/cm <sup>3</sup> ( 20 °C)	(calculated)
	10.6641 lb/USg	(calculated)
Relative density:	1.2778 ( 20 °C)	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Thermal decomposition:	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	> 20.500 mm <sup>2</sup> /s	
Solubility in water:	No applicable information available.	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	No applicable information available.	
Evaporation rate:	No applicable information available.	

## 10. Stability and Reactivity

### Reactivity

No applicable information available.

### Chemical stability

The product is chemically stable.

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### Possibility of hazardous reactions

No applicable information available.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

### Incompatible materials

strong oxidizing agents, strong bases, strong acids

### Hazardous decomposition products

Decomposition products:

carbon dioxide, carbon monoxide

Thermal decomposition:

No applicable information available.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

#### *Information on: Acetone*

*Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. High concentrations in the air may cause narcosis.*

#### *Information on: dibutyltin dilaurate*

*Assessment of acute toxicity: Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.*

#### *Information on: ethylbenzene*

*Assessment of acute toxicity: Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Of low toxicity after single ingestion.*

#### *Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.*

#### *Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.*

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#### Assessment other acute effects

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.



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### Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

*Information on: Acetone*

*Assessment of irritating effects: Irritating to eyes. Not irritating to the skin. Repeated exposure may cause skin dryness or cracking.*

*Information on: dibutyltin dilaurate*

*Assessment of irritating effects: Corrosive! Damages skin and eyes.*

*Information on: ethylbenzene*

*Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes.*

*Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Assessment of irritating effects: May cause slight irritation to the skin. Not irritating to the eyes.*

*Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Assessment of irritating effects: May cause slight irritation to the skin. Not irritating to the eyes.*

*Information on: 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene*

*Assessment of irritating effects: May cause slight irritation to the skin. Not irritating to the eyes.*

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

*Information on: dibutyltin dilaurate*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

*Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

*Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Assessment of sensitization:*

*Sensitization after skin contact possible.*

### Aspiration Hazard

No applicable information available.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Acetone*

*Assessment of repeated dose toxicity: The substance may cause damage to the testes after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the hematological system after repeated ingestion of high doses. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.*

*Information on: dibutyltin dilaurate*

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*Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.*

*Information on: ethylbenzene*

*Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause deafness after repeated inhalation. The substance may cause deafness after repeated ingestion.*

*Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Assessment of repeated dose toxicity: The substance may reversibly affect the nervous system, but there are no indications of permanent nerve cell damage. The effects were only observed at doses/concentrations not relevant for classification and/or practical use conditions.*

*Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Assessment of repeated dose toxicity: The substance may reversibly affect the nervous system, but there are no indications of permanent nerve cell damage. The effects were only observed at doses/concentrations not relevant for classification and/or practical use conditions.*

*Information on: 4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene*

*Assessment of repeated dose toxicity: Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure.*

*May affect the liver and kidneys as indicated in animal studies. Overexposure may cause blood abnormalities.*

### Genetic toxicity

*Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components.*

*Information on: dibutyltin dilaurate*

*Assessment of mutagenicity: Mutagenic properties can not be excluded on the basis of experimental data.*

### Carcinogenicity

*Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.*

*Information on: ethylbenzene*

*Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).*

### Reproductive toxicity

*Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.*

*Information on: Acetone*

*Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.*

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*Information on: dibutyltin dilaurate*

*Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

*Information on: bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate*

*Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

*Information on: Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate*

*Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.*

### Teratogenicity

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: dibutyltin dilaurate*

*Assessment of teratogenicity: The substance caused malformations/developmental toxicity in laboratory animals.*

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## 12. Ecological Information

No applicable information available.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**

WARNING: Empty containers may still contain hazardous residue.

Dispose of in accordance with national, state and local regulations.

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## 14. Transport Information

### **Land transport**

USDOT

Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

### **Sea transport**

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### IMDG

Hazard class: 3  
Packing group: II  
ID number: UN 1263  
Hazard label: 3  
Marine pollutant: NO  
Proper shipping name: PAINT

### Air transport

#### IATA/ICAO

Hazard class: 3  
Packing group: II  
ID number: UN 1263  
Hazard label: 3  
Proper shipping name: PAINT

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released; restriction on use / listed

TSCA § 5(a) final Significant New Use Restriction (SNUR)  
40 CFR 721.2222

Chemical TSCA, US released; restriction on use / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### State regulations

#### State RTK

	<u>CAS Number</u>	<u>Chemical name</u>
NJ	67-64-1	Acetone
	8002-74-2	Paraffin wax
	98-56-6	4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene
PA	67-64-1	Acetone
	8002-74-2	Paraffin wax
	112926-00-8	Silica gel, precipitated, crystalline free

### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including BENZENE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **NFPA Hazard codes:**

Health: 2 Fire: 3 Reactivity: 0 Special:

### **HMIS III rating**

Health: 2<sup>a</sup> Flammability: 3 Physical hazard: 0

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### 16. Other Information

**SDS Prepared by:**  
BASF NA Product Regulations  
SDS Prepared on: 2021/06/11

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
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