

## SAFETY DATA SHEET Sticklers Adhesive & Gel Remover - BULK

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification	
Product identifier	
Product name	Sticklers Adhesive & Gel Remover - BULK
Product number	MCC-SAGR
Synonyms; trade names	Terpene Hydrocarbons (d-Limonene)
Recommended use of the che	emical and restrictions on use
Application	Cleaning agent.
Details of the supplier of the s	afety data sheet
Supplier	MICROCARE CORPORATION
Manufacturer	MICROCARE CORPORATION 595 John Downey Drive New Britain, CT 06051 United States of America CAGE: OATV9 Tel: +1 860-827-0626 Fax: +1 860-827-8105 techsupport@microcare.com
Emergency telephone numbe	
Emergency telephone	- CHEMTREC 1-800-424-9300 (within the U.S.) +1 703-741-5970 (from anywhere in the world)
2. Hazard(s) identification	
Classification of the substance	e or mixture
OSHA Regulatory Status	This Product is Hazardous under the OSHA Hazard Communication Standard.
Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 1 - H410
Human health Physicochemical	See Section 11 for additional information on health hazards. Vapors may form explosive mixtures with air.
Label elements	
Pictogram	
Signal word	Warning

Hazard statements	H226 Flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	<ul> <li>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</li> <li>P261 Avoid breathing vapor/ spray.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 If on skin: Wash with plenty of water.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> </ul>
Supplemental label information	Safety data sheet available on request. For use in industrial installations only.
Contains	d-LIMONENE

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

Mixtures	
d-LIMONENE	60-100%
CAS number: 5989-27-5	
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Chronic 1 - H410	
The full text for all hazard sta	tements is displayed in Section 16.
Composition comments	TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200
Composition	
4. First-aid measures	
Description of first aid measu	ires
General information	Not considered to be a significant hazard due to the small quantities used. Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.
Skin Contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact         Remove any contact lenses and open syelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Cell medical attention if any discomfort continues.           Most important symptoms and =fects, both acute and delayed         Energi Information         The severity of the symptoms described will vary dependent on the concentration and the length of exposure.           Inhelation         Vapours may cause drowsiness and dizziness. Headache. Initiation of nose, throat and airway.           Ingestion         Ingestion of large amounts may cause unconsciousness. May cause nauses, headache, dizziness and intoxication.           Skin contact         Prolonged or repeated contact with skin may cause initiation, redness and dermatitis. May cause ethica ethica in tritation/eczema.           Eye contact         May cause temporary eye initation. Initiating to eyes. Symptoms following overexposure may initiation is depeid treatment. needed           Notes for the doctor         No specific recommendations. If in doubt, get medical strention promptly.           S. Fire-fighting measures         Extinguish with the following media: Powder. Dry chemicals, send, doiomite etc. Water spray, fog or mist.           Unsultable extinguishing media         Social treatment needed           Subtable extinguishing media         Considering the size of the packaging, the risk is regarded as minimal. Combustible liquid.           Heardous combustion         Thermal decomposition or conbustion may liberate carbon oxides and other toxic gases or products           Sp			
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Methods and material for containment and cleaning up	Environmental precautions	-	

Methods for cleaning up	Considering the size of the packaging, the risk is regarded as minimal. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards.
7. Handling and storage	
Precautions for safe handling	
Usage precautions	Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level. Storage tanks and other containers must be grounded. Static electricity and formation of sparks must be prevented. Ground and bond containers when transferring material.
Conditions for safe storage, inc	cluding any incompatibilities
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks and open flame. Keep out of the reach of children.
Specific end uses(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.
Reference to other sections.	Store away from incompatible materials (see Section 10).
8. Exposure controls/Personal	protection
8. Exposure controls/Personal Control parameters Occupational exposure limits Additional Occupational Exposure Limits	protection
Control parameters Occupational exposure limits Additional Occupational	WEL = Workplace Exposure Limits
Control parameters Occupational exposure limits Additional Occupational Exposure Limits	
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Other skin and body protection	Neutral
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## 9. Physical and chemical properties

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Information on basic physical and chemical properties	
Appearance	Clear liquid.
Color	Colorless to pale yellow.
Odor	Characteristic. Orange.
Odor threshold	No information available.
рН	No information available.
Melting point	No information available.
Initial boiling point and range	169 - 187°C/340 - 372°F @ 101.3 kPa
Flash point	47°C/117°F Method: Tag closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7 Upper flammable/explosive limit: 6.0
Vapor pressure	0.213 kPa @ 25°C
Vapor density	4.6
Relative density	0.85 @ unspecified°F
Bulk density	No information available.
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	235°C/458°F
Decomposition Temperature	No information available.
Viscosity	No information available.
Refractive index	No information available.
Particle size	Not applicable.
Molecular weight	No information available.
Volatility	100%
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	This product contains a maximum VOC content of 840 g/l.

Flammability	The product is flammable.
10. Stability and reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidizing agents. Strong alkalis. Strong mineral acids.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).
11. Toxicological information	
Information on toxicological e	ffects
Toxicological effects	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Other health effects	There is no evidence that the product can cause cancer.
Inhalation	May cause respiratory system irritation. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause discomfort if swallowed. This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Skin Contact	Product has a defatting effect on skin. May cause skin irritation/eczema.
Eye contact	Irritating to eyes. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
Route of exposure	Skin and/or eye contact Ingestion. Inhalation
Target Organs	Skin Eyes Respiratory system, lungs
Medical Symptoms	Skin irritation. Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
Toxicological information on ingredients.	
	d-LIMONENE

### d-LIMONENE

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.

ATE oral (mg/kg)	5,000.0	
Acute toxicity - dermal		
Acute toxicity dermal (LD₅₀ mg/kg)	5,000.0	
Species	Rabbit	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.	
ATE dermal (mg/kg)	5,000.0	
Acute toxicity - inhalation		
Acute toxicity inhalation (LC₅ vapours mg/l)	1,000.0	
Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.	
ATE inhalation (vapours mg/l)	1,000.0	
Skin corrosion/irritation		
Animal data	Irritating.	
Serious eye damage/irritation	on	
Serious eye damage/irritation	Based on available data the classification criteria are not met.	
Respiratory sensitization		
Respiratory sensitization	Based on available data the classification criteria are not met.	
Skin sensitization		
Skin sensitization	May cause skin sensitization or allergic reactions in sensitive individuals.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Carcinogenicity		
Carcinogenicity	Based on available data the classification criteria are not met.	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	Based on available data the classification criteria are not met.	
Specific target organ toxicity - single exposure		
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.	
Specific target organ toxicit	y - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.	
Aspiration hazard		
Aspiration hazard	Based on available data the classification criteria are not met.	

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.
Skin Contact	May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Medical considerations	Skin disorders and allergies.
vical information	

12. Ecological information

Not considered to be a significant hazard due to the small quantities used.

#### Toxicity

Ecotoxicity

Very toxic to aquatic organisms.

Ecological information on ingredients.

### d-LIMONENE

Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
LE(C)50	$0.1 < L(E)C50 \le 1$
M factor (Acute)	1
Acute toxicity - fish	EC₅₀, 96 hours: 0.69 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 0.42 mg/l, Daphnia magna
Chronic aquatic toxicity	
NOEC	0.001 < NOEC ≤ 0.01
Degradability	Rapidly degradable
M factor (Chronic)	1

Persistence and degradability

Persistence and degradability The product is readily biodegradable.

Ecological information on ingredients.

### d-LIMONENE

Persistence and degradability	The degradability of the product is not known.
Biodegradation	- Degradation 92.7: 21 days

**Bioaccumulative potential** 

**Bio-Accumulative Potential** No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

#### d-LIMONENE

Bio-Accumulative Potential No data available on bioaccumulation.

Partition coefficient

No information available.

Mobility in soil

Mobility

The product is partly miscible with water and may spread in the aquatic environment.

Ecological information on ingredients.

#### d-LIMONENE

Mobility

No data available.

Other adverse effects

Other adverse effects

The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

### Ecological information on ingredients.

### d-LIMONENE

Other adverse effects None known.		
13. Disposal considerations		
Waste treatment methods		
General information	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste is suitable for incineration. When handling waste, the safety precautions applying to handling of the product should be considered.	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Reuse or recycle products wherever possible.	
14. Transport information		
DOT transport notes	As supplied, this product is consigned under the Limited Quantities provisions.	
UN Number		
UN No. (IMDG)	2319	
UN No. (ICAO)	2319	
UN proper shipping name		
Proper shipping name (TDG)	LIMITED QUANTITY	
Proper shipping name (IMDG)	UN2319, Terpene Hydrocarbons N.O.S. (d-Limonene), 3, PG III, LIMITED QUANTITY	
Proper shipping name (ICAO)	UN2319, Terpene Hydrocarbons N.O.S. (d-Limonene), 3, PG III, LIMITED QUANTITY	
Proper shipping name (DOT)	LIMITED QUANTITY	
Transport hazard class(es)		

IMDG Class

Packing group

IMDG packing group

Environmental hazards

Environmentally Hazardous Substance



Special precautions for user

EmS

F-E, S-E

3

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Transport in bulk according to Not applicable. No information required. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

**US Federal Regulations** 

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities Not listed.

SARA 313 Emission Reporting Not listed.

CAA Accidental Release Prevention Not listed.

SARA (311/312) Hazard Categories Fire

OSHA Highly Hazardous Chemicals Not listed.

US State Regulations

State Regulations Comments NOT FOR SALE IN CALIFORNIA

California Proposition 65 Carcinogens and Reproductive Toxins Not listed.

California Air Toxics "Hot Spots" (A-I) Not listed.

California Air Toxics "Hot Spots" (A-II) Not listed.

California Directors List of Hazardous Substances Not listed.

Massachusetts "Right To Know" List Not listed.

Rhode Island "Right To Know" List Not listed.

Minnesota "Right To Know" List Not listed.

New Jersey "Right To Know" List Not listed.

Pennsylvania "Right To Know" List Not listed.

#### Inventories

Canada - DSL/NDSL DSL

**US - TSCA** Yes

16. Other information	
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	1/8/2019
Revision	40
Supersedes date	8/31/2018
SDS No.	BULK - SAGR
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.