

8214 MICROMAX™ THINNER COMP

Version	Revision Date:	SDS Number:	Date of last issue: 11-06-2024
1.1	07-16-2025	300010001889	Date of first issue: 11-06-2024

SECTION 1. IDENTIFICATION

Product name : 8214 MICROMAX™ THINNER COMP

Product code : 000000000021056628

Manufacturer or supplier's details

Company name of supplier : Celanese Ltd. Irving Texas
Address : 222 West Las Colinas Boulevard Suite 900N
Irving TX 75039
Telephone : '+1 972-443-4000
Emergency telephone number : DOMESTIC NORTH AMERICA: 800-424-9300
INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

Recommended use of the chemical and restrictions on use

Recommended use : For industrial use only.
Electrical/electronic industries
Solvent

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Flammable liquids : Category 4

Other hazards

None known.

GHS label elements

Signal word : Warning

Hazard statements : H227 Combustible liquid.

Precautionary statements : **Prevention:**
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
No smoking.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

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Components

Chemical name	CAS-No.	Concentration (% w/w)
2-Butoxyethyl acetate	112-07-2	>= 50 - < 60
Ethylene di(acetate)	111-55-7	>= 50 - < 60

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- | | |
|---|---|
| If inhaled | : If inhaled, remove to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.
Get medical attention. |
| In case of skin contact | : Wash off with plenty of water.
Wash contaminated clothing before re-use.
Get medical attention if irritation develops and persists. |
| In case of eye contact | : Immediately flush eyes for at least 15 minutes. Get medical attention. |
| If swallowed | : Do NOT induce vomiting.
Call a physician or poison control centre immediately. |
| Most important symptoms and effects, both acute and delayed | : None known. |

SECTION 5. FIREFIGHTING MEASURES

- | | |
|---|---|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Dry sand
Dry chemical
Alcohol-resistant foam |
| Specific hazards during fire-fighting | : Hazardous decomposition products formed under fire conditions.
(see also section 10)
Avoid breathing decomposition products. |
| Further information | : Evacuate personnel to safe areas.
Stop spill/release if it can be done with minimal risk.
Do not allow run-off from fire fighting to enter drains or water courses. |
| Special protective equipment for firefighters | : Exposure to decomposition products may be a hazard to health. |

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Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Wear suitable protective equipment.
Dispose of in accordance with local regulations.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
- Methods and materials for containment and cleaning up : Contain spill.
Soak up with inert absorbent material.
Collect and contain contaminated absorbent and dike material for disposal.
Keep in suitable, closed containers for disposal.
Ventilate the area.
Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
Avoid formation of aerosol.
- Advice on safe handling : Avoid breathing vapours or mist.
Keep away from heat and flame.
Do not use in areas without adequate ventilation.
- Conditions for safe storage : Store at room temperature in the original container.
Keep away from sources of ignition - No smoking.
Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
Keep container closed when not in use.
Do not reuse empty container.
- Further information on storage stability : Stable under normal conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-Butoxyethyl acetate	112-07-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 33 mg/m3	NIOSH REL

- Engineering measures** : Local exhaust or a laboratory hood should be used when handling the materials.
Maintain air concentrations below occupational exposure

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standards.

Personal protective equipment

- Respiratory protection : Provide adequate ventilation.
No personal respiratory protective equipment normally required.
Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- Eye protection : Wear safety glasses with side shields.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Lightweight protective clothing
Safety shoes
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.
Contaminated work clothing should not be allowed out of the workplace.
Remove contaminated clothing and protective equipment before entering eating areas.
Remove and wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : clear
- Odour : slight
- Flash point : 180 °F / 82 °C
Method: Tag closed cup - TCC
- Density : 1.02 g/cm³
- Solubility(ies)
Water solubility : slightly soluble

SECTION 10. STABILITY AND REACTIVITY

- Possibility of hazardous reactions : Polymerization will not occur.
Stable at normal temperatures and storage conditions.
- Conditions to avoid : None reasonably foreseeable.
- Incompatible materials : Acids
- Hazardous decomposition : No decomposition if stored and applied as directed.

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products

Under fire conditions:
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity : Acute toxicity estimate: 3,760 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: 3,000 mg/kg
Method: Calculation method

Components:**2-Butoxyethyl acetate:**

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg
Method: OECD Test Guideline 401
Remarks: altered hematology
Bloody urine

Acute inhalation toxicity : LC50 (Rat): Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Components:**2-Butoxyethyl acetate:**

Species : Rabbit
Assessment : No skin irritation
Method : Directive 67/548/EEC, Annex V, B.4.
Result : Slight or no skin irritation
Remarks : Minimal effects that do not meet the threshold for classification.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

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Components:**2-Butoxyethyl acetate:**

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405

Respiratory or skin sensitisation**Skin sensitisation**

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Not classified due to lack of data.

Components:**2-Butoxyethyl acetate:**

Species	:	Guinea pig
Assessment	:	Does not cause skin sensitisation.
Method	:	Directive 67/548/EEC, Annex V, B.6.
Result	:	Does not cause skin sensitisation.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Components:**2-Butoxyethyl acetate:**

Germ cell mutagenicity - Assessment	:	Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Information given is based on data obtained from similar substances.
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Carcinogenicity

Not classified due to lack of data.

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

Components:**2-Butoxyethyl acetate:**

Reproductive toxicity - Assessment	:	No toxicity to reproduction, Animal testing showed no reproductive toxicity., Information given is based on data obtained from similar substances.
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Animal testing showed no developmental toxicity., Information given is based on data obtained from similar substances.

STOT - single exposure

Based on available data, the classification criteria are not met.

Components:**2-Butoxyethyl acetate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

Components:**2-Butoxyethyl acetate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity**Components:****2-Butoxyethyl acetate:**

Species : Rat
Application Route : Inhalation
Test atmosphere : vapour
Exposure time : 90 d
Method : OECD Test Guideline 413
Remarks : No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
altered hematology
Nasal or ocular discharge
Organ weight changes
Information given is based on data obtained from similar substances.

Species : Rat
Application Route : Ingestion
Exposure time : 90 d
Method : OECD Test Guideline 408
Remarks : No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
Liver effects
altered hematology
Information given is based on data obtained from similar substances.

Species : Rabbit
Application Route : Skin contact
Exposure time : 90 d

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Method	: OECD Test Guideline 411
Remarks	: No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification. Information given is based on data obtained from similar substances.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Components:**2-Butoxyethyl acetate:**

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****2-Butoxyethyl acetate:**

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 28 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 37 mg/l Exposure time: 48 h Method: DIN 38412
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 1,570 mg/l Exposure time: 72 h Method: ISO 8692

Ecotoxicology Assessment

Acute aquatic toxicity	: Harmful to aquatic life.
Chronic aquatic toxicity	: This product has no known ecotoxicological effects.

Persistence and degradability**Components:****2-Butoxyethyl acetate:**

Biodegradability	: Result: Biodegradable Method: Directive 67/548/EEC Annex V, C.4.D.
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Bioaccumulative potential**Components:****2-Butoxyethyl acetate:**

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Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 1.51 (77 °F / 25 °C)
pH: 7

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : If recycling is not practicable, dispose of in compliance with local regulations.
Do not reuse empty container. Never place unused product down any indoor or out door drain.
Contaminated/not cleaned containers should be treated/handled like product waste. Dispose of container properly. Refer to applicable Local, State/Provincial, and Federal Regulations, as well as industry Standards.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

National Regulations**49 CFR**

Not regulated as a dangerous good

Special precautions for user

Remarks : Regulated by DOT/49CFR as Combustible Liquid when transported in a bulk package (≥ 119 gallons(450 litres))., Not regulated by DOT in non-bulk package.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

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SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

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California Prop. 65

This product does not contain any substances requiring a warning under the Safe Drinking Water and Toxic Enforcement Act.

TSCA list

In compliance with TSCA-active Inventory requirements for commercial purposes.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Con-

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trol Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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