

PRODUCT: CLEANER

Material Safety Data Sheet

1. Company and Product Identification

Product type: CLEANER

Product description : Remover

Manufacturer: SELENA USA, Inc.
21715 Beck Drive,
Elkhart, IN 46516
USA

Phone number: (574)-523-0400; (877)-735-3627(toll free)

Emergency phone number: CHEMTREC +1 (800) 424-9300

Website: www.SelenaUSA.com

2. Hazards Identification

Emergency overview:

DANGER!

Causes skin and eye irritation. High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract.

OSHA regulatory status: This product is considered hazardous under 29 CFR 1910.1200

Potential health effects

Exposure Routes:

Ingestion. May be harmful if ingested in large quantity.

Inhalation: High vapor concentrations may cause drowsiness

Skin contact: Causes skin irritation

Eye contact: Causes eye irritation.

Target organs: Eyes skin, respiratory system, Central nervous system.

Chronic effects: High vapor concentrations may cause drowsiness

Potential environmental effects: May cause long-term adverse effects in the environment.

3. OSHA Hazard Components

<u>CAS Number</u>	<u>Wt[%]</u>	<u>Component name</u>
67-64-1	19-34	Acetone
141-78-6	19-34	Ethyl acetate
75-37-6	9-19	2-Propanol
74-98-6	0-25	Propane
106-97-8	0-25	Butane
75-28-5	0-25	Isobutane

The above components are hazardous as defined in 29 CFR 1910.1200.

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4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

Skin Contact: Remove and isolate contaminated clothing and shoes. Rinse skin with water/shower. Get medical attention immediately. Wash clothing separately before reuse.

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Rinse mouth. Do not induce vomiting without advice from poison control center. If swallowed, seek medical advice immediately and show this container or label.

Notes to physician: In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

General advice: If you feel unwell, seek medical advice (show the label where possible).

5. Fire-Fighting Measures

Flammable properties: Extremely flammable aerosol

Extinguishing Media: On large fires use dry chemical foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray.

Firefighting equipment/instructions: In the event of fire, cool tanks with water spray. Move containers from fire area if you can do it without risk. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

Personal Precautions: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Local authorities should be advised if significant spillages cannot be contained. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep upwind. Ventilate closed spaces before entering. Keep unnecessary personnel away. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up.

Environmental: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up Methods: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Unsealed, or damaged containers should be left at a open area, so that the product may evaporate.

7. Handling and Storage

Handling: Keep away from heat, spark, open flames and other sources of ignition. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Do not use in areas without adequate ventilation. Wear personal protective equipment. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment. Handle and open container with care. Do not pierce or damage even empty containers.

Storage: Keep In original, tightly closed containers. Flammable compressed gas storage. Store in a well-ventilated place. Keep out of the reach of children. Keep

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away from food, drink and animal feeding stuffs. Store in cool, dry place.
Recommended storage temperature is between 41°F to 86°F (5°C to 30°C). Do not store above 104°F (40°C) will shorten shelf life. Protect containers from heat.
Contents are under pressure do not pierce the containers.

8. Exposure Control / Personal Protection

US. ACGIH Threshold Limit Values

2-Propanol (67-63-0) STEL 400 ppm
TWA 200 ppm
Acetone (67-64-1) STEL 750 ppm
TWA 500 ppm
Butane (106-97-8) TWA 1000 ppm
Ethyl acetate (141-78-6) TWA 400 ppm
Isobutane (75-28-5) TWA 1000 ppm

US. ACGIH Threshold Limit Values

Propane (74-98-6) TWA 1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

2-Propanol (67-63-0) PEL 980 mg/m³ 400 ppm
Acetone (67-64-1) PEL 2400 mg/m³ 1000 ppm
Ethyl acetate (141-78-6) PEL 1400 mg/m³ 400 ppm
Propane (74-98-6) PEL 1800 mg/m³ 1000 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

2-Propanol (67-63-0) STEL 984 mg/m³ 400 ppm
TWA 492 mg/m³ 200 ppm
Acetone (67-64-1) STEL 1800 mg/m³ 750 ppm
TWA 1200 mg/m³ 500 ppm
Butane (106-97-8) TWA 1000 ppm
Ethyl acetate (141-78-6) TWA 1440 mg/m³ 400 ppm
Propane (74-98-6) TWA 1000 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

2-Propanol (67-63-0) STEL 400 ppm
TWA 200 ppm
Acetone (67-64-1) STEL 500 ppm
TWA 250 ppm
Butane (106-97-8) STEL 750 ppm
TWA 600 ppm
Ethyl acetate (141-78-6) TWA 150 ppm
Isobutane (75-28-5) TWA 1000 ppm
Propane (74-98-6) TWA 1000 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

2-Propanol (67-63-0) STEL 400 ppm
TWA 200 ppm
Acetone (67-64-1) STEL 750 ppm
TWA 500 ppm
Butane (106-97-8) TWA 800 ppm
Ethyl acetate (141-78-6) TWA 400 ppm

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Isobutane (75-28-5) TWA 800 ppm

Propane (74-98-6) TWA 1000 ppm

Canada. Quebec OELS. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

2-Propanol (67-63-0) STEL 1230 mg/m³ 500 ppm

TWA 983 mg/m³ 400 ppm

Acetone (67-64-1) STEL 2380 mg/m³ 1000 ppm

TWA 1190 mg/m³ 500 ppm

Canada. Quebec OELS. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Butane (106-97-8) TWA 1900 mg/m³ 800 ppm

Ethyl acetate (141-78-6) TWA 1440 mg/m³ 400 ppm

Propane (74-98-6) TWA 1800 mg/m³ 1000 ppm

Mexico. Occupational Exposure Limit Values

2-Propanol (67-63-0) STEL 1225 mg/m³ 500 ppm

TWA 980 mg/m³ 400 ppm

Acetone (67-64-1) STEL 3000 mg/m³ 1260 ppm

TWA 2400 mg/m³ 1000 ppm

Butane (106-97-8) TWA 1900 mg/m³ 800 ppm

Ethyl acetate (141-78-6) TWA 1400 mg/m³ 400 ppm

Engineering measures:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment for usual handling:

Eyes protection: Use proper protection – safety glasses as a minimum.

Skin protection: Wear suitable protective clothing. Protective gloves.

Respiratory protection: Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations: When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin.

9. Physical and Chemical Properties

Physical State: Aerosol

Color: Colorless

Odor: Characteristic

Specific gravity@20°C (68°F): Not determined

Melting Point: -160°C for propellants

Boiling Point: -12°C for propellants

Flash point: -10°C (solvents), 28°C for propellant

Auto igniting: Not determined

Solubility in Water: Soluble

pH: Not determined

Relative density of spray gas: >1

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Vapor pressure: >500 kPa (in container)
VOC content: Not determined

10. Stability and Reactivity

Chemical stability: Material is stable under normal conditions.
Conditions to avoid: Avoid storing temperatures exceeding 104°F (40°C). Protect against mechanical shocks, Avoid heat and moisture
Incompatible materials: This product is incompatible with oxidizers.
Hazardous decomposition products: non known.
Possibility of hazardous reactions: None known.

11. Toxicological Information

Acute toxicity:

Ethyl acetate: LD50(Oral)- 6100mg/kg(rat); LD50(Dermal) >20000mg/kg (rabbit);
LC50(Inhalation)- 5856 mg/m³/8h(rat)

Acetone: LD50(Oral) 7400mg/kg(rat); LD50 (Dermal) 20000mg/kg(rabbit); LC50
(Inhalation) 50100mg/m³/8h(rat), LCL0(Inhalation)38720mg/m³/4h(rat),
LCL0(Inhalation) 1210mg/m³(human)

2-Propanol: (Oral) LD50>2000mg/kg; Dermal: LD50>2000mg/kg

Local effects: Causes skin and eye irritation. High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract

Sensitization: No data.

Chronic effects: High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract

IARC Monographs. Overall Evaluation of Carcinogenicity:

2-Propanol (CAS 67-63-0) A4 Not classifiable as a human carcinogen.

Acetone (CAS 67-64-1) A4 Not classifiable as a human carcinogen.

Epidemiology: Not available.

Mutagenicity: Not available.

Neurological effects: Hazardous by OSHA criteria.

Reproductive effects: Not available.

Teratogenicity: Not available.

Further information: Symptoms may be delayed.

12. Ecological Information

Ecotoxicity: May cause long-term adverse effects in the environment.

Ethyl acetate:

Acute toxicity fish: LC50>200mg/l/96h

Acute toxicity shellfish:EC50>700mg/l/48h

2-Propanol:

Acute toxicity fish – *Leuciscus idus melanotus*: LC50>100mg/l/48h

Acute toxicity daphnia – *Daphnia magna*: EC50>100mg/l/48h

Acute toxicity algae – *Scenedesmus subspicatus*: EC50> 100mg/l/72h

Acetone:

Acute toxicity fish: *Leuciscus idus melanotus* LC50 7,5g/l/48h, *Gambusia affinis* 15,5 g/l/48h

Acute toxicity shellfish: *Daphnia magna* EC 10g/l/28h

Environmental effects: May cause long-term adverse effects in the environment.

Persistence and Degradability: No data.

Bioaccumulation / Accumulation: No data.

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Partition coefficient (n-octanol/water): Not available.
Mobility in environmental media: No data available.

13. Disposal Consideration

Disposal instructions: This material and its container must be disposed of as hazardous waste. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not dispose of waste into sewer. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Waste from residues / unused Products: Dispose of in accordance with local regulations.

14. Transport information

DOT:

UN number: UN1950

Proper shipping name: Aerosols

Hazard class: 2.1

Subsidiary hazard class: 6.1

Labels required: 2.2, 6.1

Additional information:

Special provisions: 153

Packaging exceptions: 306

Packaging non bulk: None

Packaging bulk: None

ERG number: 126

IATA

UN number: 1950

Proper shipping name: Aerosols, flammable

Hazard class: 2.1

Additional information:

ERG code: 10L

IMDG:

UN number: 1950

Proper shipping name: Aerosols, flammable

Hazard class: 2.1

TDG:

Proper shipping name: AEROSOLS, flammable

Hazard class: 2.1

UN number: N1950

Marine pollutant: No

Additional information:

Special provisions 80 SOR/2002-306

15. Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D):

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Not regulated.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration:

2-Propanol (CAS 67-63-0) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance:

Propanol (CAS 67-63-0) Listed.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4):

Acetone: 5000

Ethyl acetate: 5000

2-Propanol: 100

Butane: 100

Isobutane: 100

Propane: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories:

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - Yes

Section 302 extremely hazardous substance (40 CFR 355, Appendix A): No

Section 311/312 (40 CFR 370): Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15):

Not controlled

WHMIS status: Controlled

WHMIS classification:

B2 - Flammable/Combustible

D2B - Other Toxic Effects-TOXIC

WHMIS labeling:



Inventory status:

Country(s) or region Inventory name On inventory (yes/no)*:

Australia Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) Yes

Korea Existing Chemicals List (ECL) Yes

New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances Yes (PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

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2-Propanol (CAS 67-63-0) Listed.

Acetone (CAS 67-64-1) Listed.

Butane (CAS 106-97-8) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

US - Massachusetts RTK - Substance: Listed substance

2-Propanol (CAS 67-63-0) Listed.

Acetone (CAS 67-64-1) Listed.

Butane (CAS 106-97-8) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

Isobutane (CAS 75-28-5) Listed.

Propane (CAS 74-98-6) Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

2-Propanol (CAS 67-63-0) 500 LBS

Butane (CAS 106-97-8) 500 LBS

Isobutane (CAS 75-28-5) 500 LBS

Propane (CAS 74-98-6) 500 LBS

US - New Jersey RTK - Substances: Listed substance

2-Propanol (CAS 67-63-0) Listed.

Acetone (CAS 67-64-1) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

Isobutane (CAS 75-28-5) Listed.

Propane (CAS 74-98-6) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-Propanol (CAS 67-63-0) Listed.

Acetone (CAS 67-64-1) Listed.

Butane (CAS 106-97-8) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

Isobutane (CAS 75-28-5) Listed.

Propane (CAS 74-98-6) Listed.

16. Other information

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings: Health: 2*

Flammability: 4

Physical hazard: 1

NFPA ratings: Health: 2

Flammability: 4

Instability: 1

Disclaimer: All information, recommendation or advice contained in this document or given by Selena Co. SA or any of its subsidiaries, affiliates or authorized representatives, whether written or oral, is given in good faith, to the best of its knowledge and based on current procedure in effect. Each user of the product shall convince himself, through all available sources (including finished product testing in its appropriate environment) of the suitability of the product supplied for its own particular purpose. Selena Co. SA, its subsidiaries and affiliates cannot be held responsible for any loss incurred through incorrect or faulty use of the product. The Material Safety Data Sheet related excessively to the described product. In case of applying it as a component of the other product, the MSDS is no more valid.