

1. Identification

Product identifier L'ORÉAL PROFESSIONNEL SERIE EXPERT MARVEL POLYGEL

Other means of identification

SDS number 30-19-0000121

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

US Address: L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address: L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # : 1-800-535-5053 (International: 352-323-3500)
In Canada - 1-613-996-6666 (Canutec (*666 Cellular))

For further Information: 1-732-499-2741

Poison Control # : 412-390-3326

2. Hazard(s) identification

Physical hazards Flammable liquids Category 3

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Flammable liquid and vapor.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use appropriate media to extinguish.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---------------|--------------------------|------------|-------|
| ISODODECANE | | 93685-81-5 | 30.8 |
| ISODODECANE | | 13475-82-6 | 13.54 |
| ETHANOL | | 64-17-5 | 5.5 |
| GLYCERIN | | 56-81-5 | 3 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

| | |
|---|---|
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Not available. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. |
| General information | Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | Flammable liquid and vapor. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | <p>Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling | Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components | Type | Value | Form |
|------------------------|------|------------------------|-------------------------------------|
| ETHANOL (CAS 64-17-5) | PEL | 1900 mg/m3 1000 ppm | |
| GLYCERIN (CAS 56-81-5) | PEL | 5 mg/m3 15 mg/m3 | Respirable fraction. Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------|------|----------|
| ETHANOL (CAS 64-17-5) | STEL | 1000 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|-----------------------|------|------------------------|
| ETHANOL (CAS 64-17-5) | TWA | 1900 mg/m3 1000 ppm |

| | |
|--|--|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate engineering controls | Explosion-proof general and local exhaust ventilation. Good general ventilation 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. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Applicable for industrial settings only. Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Applicable for industrial settings only. Wear appropriate chemical resistant gloves. |
| Other | Applicable for industrial settings only. Wear appropriate chemical resistant clothing. |
| Respiratory protection | Applicable for industrial settings only. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

9. Physical and chemical properties

Appearance

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|-----------------------|-----------------|
| Physical state | Liquid. |
| Form | Oil. |
| Color | Dark orange. |
| Odor | Characteristic. |

| | |
|---|------------------------------------|
| Odor threshold | Not available. |
| pH | 6.5 - 7.5 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | > 212 °F (> 100 °C) |
| Flash point | 93.2 °F (34.0 °C) Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 0.86 - 0.91 g/cm³ |
| Explosive properties | Not explosive. |
| Fire point | < 212.00 °F (< 100.00 °C) ISO 2592 |
| Oxidizing properties | Not oxidizing. |

10. Stability and reactivity

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|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | No adverse effects due to skin contact are expected. |
| Eye contact | No adverse effects due to eye contact are expected. |
| Ingestion | Expected to be a low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

Acute toxicity Not known.

| Product | Species | Test Results |
|--|---------|---|
| L'ORÉAL PROFESSIONNEL SERIE EXPERT MARVEL POLYGEL | | |
| Acute | | |
| Dermal | | |
| ATEmix | | 185200 mg/kg |
| Oral | | |
| ATEmix | | 167500 mg/kg |
| Components | Species | Test Results |
| ETHANOL (CAS 64-17-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 20000 mg/kg |
| Inhalation | | |
| <i>Vapor</i> | | |
| LC50 | Rat | 124.7 mg/l, 4 h OECD 403 |
| Oral | | |
| LD50 | Rat | 10470 mg/kg OECD 401 |
| GLYCERIN (CAS 56-81-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 18700 mg/kg bw |
| Inhalation | | |
| LC50 | Rat | > 570 mg/L air, 1 h |
| Oral | | |
| LD50 | Rat | 27200 mg/kg bw |
| ISODODECANE (CAS 13475-82-6) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 5000 mg/kg OECD 402 |
| Inhalation | | |
| <i>Vapor</i> | | |
| LC50 | Rat | > 5000 mg/m3, 8 h OECD 403 |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg OECD 401 |
| ISODODECANE (CAS 93685-81-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 5000 mg/kg OECD 402 |
| Inhalation | | |
| <i>Vapor</i> | | |
| LC50 | Rat | > 21.3 mg/l, 1 h |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg OECD 401 |
| Skin corrosion/irritation | | |
| No adverse effects due to skin contact are expected. | | |
| Irritation Corrosion - Skin | | |
| ETHANOL | | OECD 404 Result: Not Irritating Species: Rabbit |
| ISODODECANE | | OECD 404 Result: Not Irritating Species: Rabbit Result: Not Irritating Species: Human |

| | |
|---|---|
| Irritation Corrosion - Skin | |
| GLYCERIN | Result: Not Irritating Species: Rabbit |
| Serious eye damage/eye irritation | No adverse effects due to eye contact are expected. |
| Irritation Corrosion - Eye | |
| ETHANOL | OECD 405 Result: Irritating Species: Rabbit |
| ISODODECANE | OECD 405 Result: Not Irritating Species: Rabbit |
| GLYCERIN | Result: Not Irritating Species: Rabbit |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Skin sensitization | |
| GLYCERIN | 167 mg/m3 air OECD 413, Inhalation Result: NOAEL Species: Rat Test Duration: 90 d |
| ETHANOL | OECD 406 Result: Not Sensitizing Species: Guinea pig |
| ISODODECANE | OECD 406 Result: Not Sensitizing Species: Guinea pig |
| GLYCERIN | Result: Not Sensitizing Species: Guinea pig |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Mutagenicity | |
| ETHANOL | Result: In vitro and in vivo tests did not show mutagenic effects. |
| GLYCERIN | Result: In vitro and in vivo tests did not show mutagenic effects. |
| ISODODECANE | Result: In vitro and in vivo tests did not show mutagenic effects. |
| Carcinogenicity | Not classifiable as to carcinogenicity to humans. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Not listed. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | |
| Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | |
| Not listed. | |
| Reproductive toxicity | Possible reproductive hazard. |
| Developmental effects | |
| ETHANOL | > 20000 ppm OECD 414, No effects on development Result: NOAEL Species: Rat |
| ISODODECANE | >= 2000 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat >= 5220 mg/m3 air OECD 414 Result: NOAEL Species: Rat |
| GLYCERIN | 1310 mg/kg bw/d, No effects on development Result: NOAEL Species: Rat |

Reproductivity
ISODODECANE

>= 1000 mg/kg bw/d OECD 414

Result: NOAEL

Species: Rat

>= 3000 mg/kg bw/d OECD 415

Result: NOAEL

Species: Rat

GLYCERIN

2000 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

ETHANOL

20700 mg/kg bw/d OECD 416, No effects on fertility

Result: NOAEL

Species: Rat

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

ISODODECANE

>= 200 ppm OECD 413, Inhalation

Result: NOAEL

Species: Rat

>= 5000 mg/kg bw/d OECD 408, Oral

Result: NOAEL

Species: Rat

Test Duration: 90 d

ETHANOL

1730 mg/kg bw/d OECD 408, Oral

Result: NOAEL

Species: Rat

GLYCERIN

8000 mg/kg bw/d, Oral

Result: NOAEL

Species: Rat

Test Duration: 2 yr

Aspiration hazard Not an aspiration hazard.

Further information The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components | | Species | Test Results |
|------------------------|------|---|--------------------------|
| ETHANOL (CAS 64-17-5) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Algae | EC50 | Pseudokirchneriella subcapitata | 22200 mg/l, 96 h |
| Crustacea | EC50 | Ceriodaphnia dubia | 5012 mg/l, 48 h |
| Fish | LC50 | Pimephales promelas | 15300 mg/l, 96 h |
| Other | IC50 | Activated sludge of a predominantly domestic sewage | > 1000 mg/l, 3 h |
| <i>Chronic</i> | | | |
| Crustacea | NOEC | Daphnia magna | 9.6 mg/l, 9 d |
| Fish | NOEC | Danio rerio | 250 mg/l, 120 h OECD 212 |
| GLYCERIN (CAS 56-81-5) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Algae | EC0 | Scenedesmus quadricauda | > 10000 mg/l, 192 h |
| Crustacea | EC50 | Daphnia magna | 1955 mg/l, 48 h |
| Fish | LC50 | Oncorhynchus mykiss | 54000 mg/l, 96 h |
| Other | NOEC | Pseudomonas putida | > 10000 mg/l, 16 h |

| Components | | Species | Test Results |
|------------------------------|-------|---|----------------------------|
| ISODODECANE (CAS 13475-82-6) | | | |
| Aquatic | | | |
| Acute | | | |
| Algae | EL50 | Pseudokirchneriella subcapitata | > 1000 mg/l, 72 h OECD 201 |
| Crustacea | EL50 | Daphnia magna | > 1000 mg/l, 48 h OECD 202 |
| Fish | LL50 | Oncorhynchus mykiss | > 1000 mg/l, 96 h OECD 203 |
| Other | EC50 | Activated sludge of a predominantly domestic sewage | > 100 mg/l, 3 h OECD 209 |
| Chronic | | | |
| Crustacea | NOAEL | Daphnia magna | 1 mg/l, 21 d OECD 211 |

| | | | |
|------------------------------|------|---------------------------------|----------------------------|
| ISODODECANE (CAS 93685-81-5) | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Algae | EL50 | Pseudokirchneriella subcapitata | > 1000 mg/l, 72 h OECD 201 |
| Crustacea | EL50 | Daphnia magna | > 1000 mg/l, 48 h OECD 202 |
| Fish | LL50 | Oncorhynchus mykiss | > 1000 mg/l, 96 h OECD 203 |
| Other | EC0 | Pseudomonas putida | > 100 mg/l, 24 h |

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

| | |
|-------------|--|
| ETHANOL | 84 % Result: Readily Biodegradable Test Duration: 20 d OECD 301 |
| GLYCERIN | Result: Readily Biodegradable |
| ISODODECANE | 20.6 % Result: Not Readily Biodegradable Test Duration: 28 d 31.3 % OECD 301 F Result: Not Readily Biodegradable |

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|-------------|------------------|
| ETHANOL | -0.31 |
| GLYCERIN | -1.76 |
| ISODODECANE | 6.4 6.96 QSAR |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

| | |
|--|--|
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | This product is ignitable (D001) RCRA hazardous wastes when intended for disposal. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

FINISHED GOODS

UN number UN1993

| | |
|----------------------------|---|
| UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISODODECANE), Limited Quantity |
| Class | 3 |
| Packing group | III |
| Transport hazard class(es) | |
| Label(s) | Limited Quantity |
| Packaging exceptions | 150 |
| LTD QTY Net Inner Capacity | 5.0 L |

BULK

| | |
|----------------------------|---|
| UN number | UN1993 |
| UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISODODECANE) |
| Class | 3 |
| Packing group | III |
| Transport hazard class(es) | |
| Label(s) | 3 |
| Special provisions | B1, B52, IB3, T4, TP1, TP29 |
| Packaging non bulk | 203 |

IATA

FINISHED GOODS

| | |
|-------------------------|---|
| UN number | ID8000 |
| UN proper shipping name | CONSUMER COMMODITY (ETHANOL, ISODODECANE) |
| Class | 9 |
| Packing group | Not applicable. |
| ERG Number | 9L |

BULK

| | |
|-------------------------|---|
| UN number | UN1993 |
| UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISODODECANE) |
| Class | 3 |
| Packing group | III |
| ERG Number | 3L |

IMDG

FINISHED GOODS

| | |
|----------------------------|---|
| UN number | UN1993 |
| UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISODODECANE), Limited Quantity |
| Class | 3 |
| Packing group | III |
| Environmental Hazards | |
| Marine pollutant | No. |
| Transport hazard class(es) | |
| Label(s) | Limited Quantity |
| EmS | F-E, <u>S</u> -E |
| LTD QTY Net Inner Capacity | 5.0 L |

BULK

| | |
|-------------------------|---|
| UN number | UN1993 |
| UN proper shipping name | FLAMMABLE LIQUID, N.O.S. (ETHANOL, ISODODECANE) |
| Class | 3 |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-E, <u>S</u> -E |

15. Regulatory information

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

Toxic Substances Control Act (TSCA)

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHANOL (CAS 64-17-5) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**SARA 302 Extremely hazardous substance**

Not listed.

SARA 311/312 Hazardous chemical

No (Exempt)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

ETHANOL (CAS 64-17-5)

Low priority

GLYCERIN (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

16. Other information, including date of preparation or last revision**Issue date** 01-14-2022**Version #** 01**NFPA ratings** Health: 0
Flammability: 3
Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.