

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name MOTIONS AT HOME OIL SHEEN
Revision date 23-Mar-2006
CAS # Mixture
Product use Hair Conditioner
Company information MOTIONS
2525 Armitage Avenue
Melrose Park, IL 60160 US
Emergency Emergency Phone (708) 450-3175
Shipping Emergencies CHEMTREC 800 424-9300 or 703 527-3887
General information Business Phone (708) 450-3000

2. Hazards Identification

Emergency overview EXTREMELY FLAMMABLE. Will be easily ignited by heat, spark or flames.
Harmful: may cause lung damage if swallowed.

Potential health effects

Routes of exposure Ingestion.

Eyes Contact with eyes may cause irritation.

Skin Health injuries are not known or expected under normal use.

Inhalation Do not breathe vapor. May cause breathing disorders and lung damage. Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Health injuries are not known or expected under normal use.

Ingestion Harmful: may cause lung damage if swallowed. Do not ingest.

Target organs Central nervous system.

Chronic effects May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

Signs and symptoms Narcosis. Behavioral changes. Decrease in motor functions.

3. Composition / Information on Ingredients

Components	CAS #	Percent
C13-14 Isoparaffin	64742-47-8	< 60
Isobutane	75-28-5	< 40
Butane	106-97-8	< 2.5
Propane	74-98-6	< 10
Non-hazardous and other components below reportable levels		> 2.5

Composition comments This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact Get medical attention if irritation develops or persists. Wash off with soap and water.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

Ingestion If swallowed, seek medical advice immediately and show this container or label. Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician Symptoms may be delayed.

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Keep victim warm. Keep victim under observation.

5. Fire Fighting Measures

Flammable properties Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). Dry chemical. Water Fog.

Protection of firefighters

Protective equipment for firefighters Structural firefighters protective clothing will only provide limited protection.

6. Accidental Release Measures

Personal precautions Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Methods for cleaning up Large Spills: Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling Do not handle or store near an open flame, heat or other sources of ignition. Vapors may form explosive mixtures with air. All equipment used when handling the product must be grounded. When using do not eat or drink. Keep away from sources of ignition - No smoking. May be ignited by open flame. Do not breathe gas/fumes/vapor/spray.

Storage Do not handle or store near an open flame, heat or other sources of ignition. Store in cool place. Keep in a well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed. Keep the container dry. Keep this material away from food, drink and animal feed. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Butane	106-97-8	1000 Ppm TWA (listed under aliphatic hydrocarbon gases alkane C1-C4)
Isobutane	75-28-5	1000 Ppm TWA (listed under aliphatic hydrocarbon gases alkane C1-C4)
Propane	74-98-6	1000 Ppm TWA (listed under aliphatic hydrocarbon gases alkane C1-C4)

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Butane	106-97-8	CNS depression; cardiac sensitization
Isobutane	75-28-5	CNS depression; cardiac sensitization
Propane	74-98-6	CNS depression; cardiac sensitization

OSHA - Final PELs - Time Weighted Averages (TWAs)

Propane	74-98-6	1000 Ppm TWA; 1800 mg/m ³ TWA
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Engineering controls Use explosion-proof equipment if high dust/air concentrations are possible. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Avoid contact with eyes.
Applicable for industrial settings only. Wear chemical goggles.

Skin protection Not normally needed.

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Not available
Clarity	Not available
Color	Not available
Form	Gaseous.
Odor	Not available
Odor threshold	Not available
Physical state	Gas.
pH	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	-113.8 °F (-81.25 °C) estimated
Flash point	-68.8 °F (-56 °C) estimated
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.77 - 0.79
Relative density	Not available
Solubility (H2O)	Not available
Octanol/H2O coeff	Not available
Auto-ignition temperature	860.0 °F (460 °C) estimated
Decomposition temperature	Not available
VOC (Weight %)	41.17 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of explosion. Risk of ignition.
Incompatible materials	Strong oxidizing agents.

11. Toxicological Information

Acute effects	Acute LD50: 9155 mg/kg estimated, Rat, Oral Acute LD50: 3660 mg/kg estimated, Rat, Dermal
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Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

Butane	106-97-8	Inhalation LC50 Rat: 658 g/m3/4H
C13-14 Isoparaffin	64742-47-8	Inhalation LC50 Rat: >5.2 mg/L/4H; Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg
Isobutane	75-28-5	Inhalation LC50 Rat: 658 mg/L/4H
Propane	74-98-6	Dermal LD50 Rat: 658 mg/kg

Chronic effects	Prolonged exposure may cause chronic effects.
Further information	Symptoms may be delayed.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic life. Components of this product have been identified as having potential environmental concerns.
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13. Disposal Considerations

Waste codes	D001: Waste Flammable material with a flash point <140 F
Disposal instructions	Dispose in accordance with all applicable regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. If discarded, this product is considered a RCRA ignitable waste, D001. Incinerate the material under controlled conditions in an approved incinerator.

14. Transport Information

Department of Transportation (DOT) Requirements

<= 1L (33.8 Fl. Oz)

Basic shipping requirements:

Proper shipping name Consumer commodity

Hazard class ORM-D

Additional information:

Packaging exceptions 156, 306

Packaging non bulk 156, 306

Packaging bulk None

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name Aerosols, flammable

Hazard class 2.1

UN number 1950

Additional information:

ERG code 10L



IATA

<= 1L (33.8 Fl. Oz)

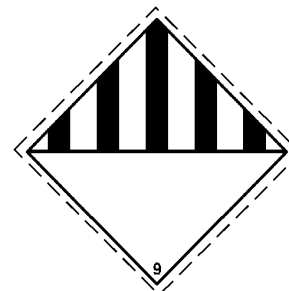
Basic shipping requirements:

Proper shipping name Consumer commodity

Hazard class 9

UN number 8000

Packaging instructions 910



IATA

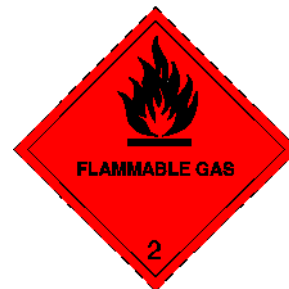
Basic shipping requirements:

Proper shipping name Aerosols, flammable

Hazard class 2.1

UN number 1950

Packaging instructions 203



IMDG

Basic shipping requirements:

Proper shipping name AEROSOLS, flammable

Hazard class 2

UN number 1950

Additional information:

Transport Category 2

15. Regulatory Information

US federal regulations

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

CERCLA/SARA Hazardous Substances - Not applicable.

FDA - Food Additives Generally Recognized as Safe (GRAS)

Butane 106-97-8 21 CFR 184.1165

Isobutane 75-28-5 21 CFR 184.1165

Propane 74-98-6 21 CFR 184.1655

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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

International regulations

The product is classified and labelled in accordance with EC directives or respective national laws.

State regulations

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

Massachusetts - Right To Know List

Butane	106-97-8	Present
Isobutane	75-28-5	Present
Propane	74-98-6	Present

New Jersey - Right to Know Hazardous Substance List

Butane	106-97-8	sn 0273
Isobutane	75-28-5	sn 1040
Propane	74-98-6	sn 1594

Pennsylvania - RTK (Right to Know) List

Butane	106-97-8	Present
Isobutane	75-28-5	Present
Propane	74-98-6	Present

16. Other Information**HMIS ratings**Health: 1*
Flammability: 4
Physical hazard: 0**NFPA ratings**Health: 0
Flammability: 4
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.

Issue date

23-Mar-2006