Musk Ketone

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Musk Ketone
SDS Number: STC-107
CAS Number: 81-14-1

Supplier Details:
Shemen Tov Corp.
1970 Swarthmore Ave.
P.O. Box 891
Lakewood, NJ 08701

Emergency: Chem-Tel Inc. (Contract MIS5260706)
Contact: 1-800-255-3924 or +01-813-248-0585
Phone: 973-673-2350

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Environmental, Hazards to the aquatic environment - Chronic, 1
Health, Carcinogenicity, 2
Health, Skin corrosion/irritation, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:

H410 - Very toxic to aquatic life with long lasting effects
H351 - Suspected of causing cancer
H316 - Causes mild skin irritation

GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.
P273 - Avoid release to the environment.
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P308+313 - IF exposed or concerned: Get medical advice/ attention.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
81-14-1		Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]-

4 FIRST AID MEASURES

Inhalation: If having difficulty breathing, remove to fresh air. Obtain medical advice if asthma-like symptoms or other symptoms develop.

Skin Contact: Wash off with soap and plenty of water. Consult a physician if irritation develops.

Eye Contact: Flush eyes with plenty of running water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Drink plenty of water. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a doctor.

5 FIRE FIGHTING MEASURES

Dry powder, foam, carbon dioxide.

Special protective equipment/precautions: Wear self-contained breathing apparatus

Extinguishing Media: Suitable: Use extinguishing media suitable for surrounding fire. **Unsuitable:** No information available.

Hazardous combustion Products: Thermal decomposition under fire conditions may produce toxic nitrogen dioxide fumes.

Unusual fire or explosion hazards: None Known.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Precautions for Safe Handling: Wear gloves and eye protection. Avoid inhalation and contact with skin and eyes. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.
Protection against explosions and fire: Keep ignition sources away. Protect against electrostatic charges.

Storage Requirements: Keep away from children. Store in closed containers away from temperature extremes and incompatible materials.

Store in a dry, well ventilated area. Keep containers tightly closed, and properly labeled. Store in accordance with all local, state and federal guidelines

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: 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. Eye wash facilities and emergency shower must be available when handling this product.

Personal Protective Equipment: Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- cas#:(81-14-1) []

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- cas#:(81-14-1) []

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to light yellow.		
Physical State:	Solid	**Odor:**	Sweet, floral, musky
Particle Size:	No data available	**Solubility:**	No data available
Spec Grav./Density:	1.019	**Softening Point:**	No data available
Viscosity:	No data available	**Percent Volatile:**	No data available
Sat. Vap. Conc.:	No data available	**Heat Value:**	No data available
Flammability:	No data available	**Freezing/Melting Pt.:**	No data available
Partition Coefficient:	No data available	**Flash Point:**	> 93 C
Vapor Pressure:	.30559mmHG @ 20°C	**Octanol:**	No data available
pH:	No data available	**Vapor Density:**	No data available
Evap. Rate:	No data available	**VOC:**	No data available

Molecular weight:	No data available	**Bulk Density:**	No data available
Decomp Temp:	No data available	**Auto-Ignition Temp:**	No data available
		UFL/LFL:	No data available

10 STABILITY AND REACTIVITY

Materials to Avoid: Strong acids and oxidizing agents.

Hazardous Decomposition: No dangerous decomposition products known. Thermal decomposition may produce carbon oxides and other toxic compounds.

11 TOXICOLOGICAL INFORMATION

Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- cas#:(81-14-1) []

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - > 10,000 mg/kg
Inhalation: no data available

LD50 Dermal - rabbit - > 10,000 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - guinea pig Result: No eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
Suspected human carcinogens
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Musk xylene)
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
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.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - rat - Oral:
Maternal Effects: Other effects. Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants). Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Reproductive toxicity - rat - Oral:
Maternal Effects: Other effects. Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KM5775841

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- cas#:(81-14-1) []

Information on ecological effects

Toxicity:
Toxicity to daphnia and static test - Daphnia magna (Water flea) - > 0.46 mg/l - 48 h.
other aquatic (OECD Test Guideline 202) invertebrates

Toxicity to algae Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 0.24:
mg/l - 72 h (OECD Test Guideline 201)
NOEC - Pseudokirchneriella subcapitata (green algae) - 0.088 mg/l - 72 h

Persistence and degradability: Biodegradability aerobic Biochemical oxygen demand - Exposure time 28 d Result:
< 80 % - Not readily biodegradable. (OECD Test Guideline 302)

Bioaccumulative potential: Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 21 d - 47 µg/l

Bioconcentration factor (BCF): 1,380

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- cas#:(81-14-1) []

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT: Not regulated

ICAO/IATA: UN3077, Environmentally Hazardous Substance, Solid, NOS, 9, III

IMDG/IMO: UN3077, Environmentally Hazardous Substance, Solid, NOS, 9, III, Marine Pollutant

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Ethanone, 1-[4-(1,1-dimethylethyl)-2,6-dimethyl-3,5-dinitrophenyl]- (81-14-1) [n/a%] TSCA

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Regulatory CODE Descriptions
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TSCA = Toxic Substances Control Act
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EPA / CERCLA / SARA TITLE III:
CERCLA List: This product does not contain any CERCLA listed hazardous substances.
Toxic Chemical List (SARA 313): Not listed
Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.
SARA 312: Not listed
California Proposition 65: Yes listed
Canadian DSL: Yes Listed

16 OTHER INFORMATION

The information provided in this SDS is correct to the best of our knowledge, information, and belief at the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered as a warranty or quality specification. The information related to only the specific material designed and may not be valid for such material used in combination with any other material or in any process, unless specified in this document.