

# DT73 - MECHANIC'S CLEANER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : DT73 - MECHANIC'S CLEANER  
Product code : DT73

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Sky Blue Chemical  
760 W. Exchange Road  
Ogden, Utah 84401 - USA  
T (801) 394-8611  
[www.skybluechemical.com](http://www.skybluechemical.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flam. Liq. 2 Highly flammable liquid and vapor  
Skin Irrit. 2 Causes skin irritation  
STOT SE 3 May cause drowsiness or dizziness  
STOT RE 2 May cause damage to organs through prolonged or repeated exposure

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



GHS02

GHS07

GHS08

Signal word (GHS US) :

**Danger**

Hazard statements (GHS US) :

Highly flammable liquid and vapor  
Causes skin irritation  
May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US)

Prevention

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash hands, forearms and face thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.

Response

: If on skin: Wash with plenty of water.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Call a poison center or doctor if you feel unwell.  
Get medical advice/attention if you feel unwell.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation occurs: Get medical advice/attention.

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- Storage : Take off contaminated clothing and wash it before reuse.  
In case of fire: Use media other than water to extinguish.  
: Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.
- Disposal : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

### 2.4. Unknown acute toxicity (GHS US)

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier | %       | GHS US classification   |
|--------|--------------------|---------|---|
| Hexane | (CAS-No.) 110-54-3 | 50 – 90 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : Irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor.
- Reactivity : Highly flammable liquid and vapor.

### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Hexane (110-54-3) |                     |   |
|-------------------|---------------------|---|
| ACGIH             | ACGIH OEL TWA [ppm] | 50 ppm  |
| ACGIH             | Remark (ACGIH)      | CNS impair; peripheral neuropathy; eye irr; Skin; BEI |
| OSHA              | OSHA PEL (TWA) [1]  | 1800 mg/m <sup>3</sup>                                |
| OSHA              | OSHA PEL (TWA) [2]  | 500 ppm   |

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
: No data available  
: No data available

Odor threshold : No data available

pH : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : No data available

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|   |                     |
|---|---------------------|
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : Not applicable.   |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20 °C                 | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Hexane (110-54-3)     |   |
|-----------------------|---|
| LD50 oral rat         | 16000 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)       |
| LD50 dermal rabbit    | > 3350 mg/kg body weight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 17.6 mg/l air (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))  |
| ATE US (oral)         | 16000 mg/kg body weight   |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Skin corrosion/irritation         | : Causes skin irritation.            |
| Serious eye damage/irritation     | : Not classified                     |
| Respiratory or skin sensitization | : Not classified                     |
| Germ cell mutagenicity            | : Not classified                     |
| Carcinogenicity                   | : Not classified                     |
| Reproductive toxicity             | : Not classified                     |
| STOT-single exposure              | : May cause drowsiness or dizziness. |

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|                                     |  |
|-------------------------------------|--|
| STOT-repeated exposure              | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                   | : Not classified   |
| Symptoms/effects after skin contact | : Irritation.  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
|-------------------|--|

#### 12.2. Persistence and degradability

| Hexane (110-54-3)             |  |
|-------------------------------|--|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| ThOD                          | 3.52 g O <sub>2</sub> /g substance                         |

#### 12.3. Bioaccumulative potential

| Hexane (110-54-3)                               |  |
|---|--|
| BCF - Fish [1]                                  | 501.187 (Other, Pimephales promelas, QSAR)                       |
| Partition coefficient n-octanol/water (Log Pow) | 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) |
| Bioaccumulative potential                       | Potential for bioaccumulation (500 ≤ BCF ≤ 5000).                |

#### 12.4. Mobility in soil

| Hexane (110-54-3)  |                                     |
|--|-------------------------------------|
| Surface tension  | 17.89 mN/m (25 °C, 1 g/l)           |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.34 (log Koc, QSAR)                |
| Ecology - soil   | Low potential for mobility in soil. |

#### 12.5. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                         |   |
|-------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Additional information  | : Flammable vapors may accumulate in the container.   |

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

|                                      |   |
|--------------------------------------|---|
| Transport document description (DOT) | : UN1208 Hexanes, 3, II   |
| UN-No.(DOT)                          | : UN1208  |
| Proper Shipping Name (DOT)           | : Hexanes   |
| Class (DOT)                          | : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120 |
| Packing group (DOT)                  | : II - Medium Danger  |
| Hazard labels (DOT)                  | : 3 - Flammable liquid  |



|                  |                   |
|------------------|-------------------|
| Marine pollutant | : Yes (IMDG only) |
|------------------|-------------------|



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|  |  |
|--|--|
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202  |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 242  |
| DOT Special Provisions (49 CFR 172.102)                          | : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150  |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L  |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L   |
| DOT Vessel Stowage Location                                      | : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.  |
| Emergency Response Guide (ERG) Number                            | : 128  |
| Other information  | : No supplementary information available.  |

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

|                             |  |
|-----------------------------|--|
| UN-No. (IMDG)               | : 1208                                     |
| Proper Shipping Name (IMDG) | : HEXANES                                  |
| Class (IMDG)                | : 3 - Flammable liquids                    |
| Packing group (IMDG)        | : II - substances presenting medium danger |
| Limited quantities (IMDG)   | : 1 L                                      |
| Marine pollutant            | :  |



### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Hexane (110-54-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

|           |         |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

#### Mixed hexanes

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

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### Hexane (110-54-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

### Mixed hexanes

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

## 15.3. US State regulations

### Hexane (110-54-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Revision date : 04/25/2022

Full text of H-phrases:

|                   |  |
|-------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2       |
| Asp. Tox. 1       | Aspiration hazard Category 1   |
| Flam. Liq. 2      | Flammable liquids Category 2   |
| Skin Irrit. 2     | Skin corrosion/irritation Category 2                                   |
| STOT RE 2         | Specific target organ toxicity (repeated exposure) Category 2          |
| STOT SE 3         | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

SDS US (GHS HazCom 2012) - Custom

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