

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : 3-Methylpentane (Pure Grade)  
Material : 1020543, 1020544, 1020546, 1020542, 1029492, 1020545

Use : Chemical intermediate

**Company** : Chevron Phillips Chemical Company LP  
Specialty Chemicals  
10001 Six Pines Drive  
The Woodlands, TX 77380

**Emergency telephone:****Health:**

866.442.9628 (North America)  
1.832.813.4984 (International)

**Transport:**

North America: CHEMTREC 800.424.9300 or 703.527.3887  
Asia: +800 CHEMCALL (+800 2436 2255) China: 0532.8388.9090  
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
Chemcare Asia: Tel: +65 6848 9048 - Mob: +65 8382 9188 - Fax: +65 6848  
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Responsible Department : Product Safety and Toxicology Group  
E-mail address : MSDS@CPChem.com  
Website : www.CPChem.com

**2. HAZARDS IDENTIFICATION****Emergency Overview****Danger**

**Form:** Liquid    **Physical state:** Liquid    **Color:** Colorless    **Odor:** Mild  
**OSHA Hazards** : Flammable Liquid

**GHS Classification**

: Flammable liquids, Category 2  
Eye irritation, Category 2A  
Skin irritation, Category 3  
Reproductive toxicity, Category 2  
Specific target organ systemic toxicity - single exposure, Category 3  
Aspiration hazard, Category 1  
Acute aquatic toxicity, Category 2  
Chronic aquatic toxicity, Category 2

**GHS-Labeling**

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Symbol(s)

:



Signal Word

:

Danger

Hazard Statements

:

H225: Highly flammable liquid and vapor.  
 H304: May be fatal if swallowed and enters airways.  
 H316: Causes mild skin irritation.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.  
 H361: Suspected of damaging fertility or the unborn child.  
 H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements

:

**Prevention:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat/sparks/open flames/hot surfaces.  
 - No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 Wash skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P331 Do NOT induce vomiting.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
 P391 Collect spillage.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

disposal plant.

**Carcinogenicity:****IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**ACGIH**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : 3 MP  
Dimethylmethylethane

Molecular formula : C<sub>6</sub>H<sub>14</sub>

| Component       | CAS-No.  | Weight %       |
|-----------------|----------|----------------|
| 3-Methylpentane | 96-14-0  | 99.00 - 100.00 |
| Hexane          | 110-54-3 | 0.10 - 1.00    |
| 3-Methylpentane | 96-14-0  | 60.00 - 100.00 |
| Hexane          | 110-54-3 | 0.10 - 1.00    |

**4. FIRST AID MEASURES**

- General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may only appear several hours later. Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

**5. FIRE-FIGHTING MEASURES**

|  |  |
|--|--|
| Flash point                                    | : -32 °C (-26 °F)<br>Method: Tag closed cup  |
| Autoignition temperature                       | : 278 °C (532 °F)<br>estimated   |
| Suitable extinguishing media                   | : Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.   |
| Unsuitable extinguishing media                 | : High volume water jet.   |
| Specific hazards during fire fighting          | : Do not allow run-off from fire fighting to enter drains or water courses.  |
| Special protective equipment for fire-fighters | : Wear self contained breathing apparatus for fire fighting if necessary.  |
| Further information                            | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers. |
| Fire and explosion protection                  | : Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.  |
| Hazardous decomposition products               | : Carbon oxides.   |

**6. ACCIDENTAL RELEASE MEASURES**

|                           |   |
|---------------------------|---|
| Personal precautions      | : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |
| Environmental precautions | : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods for cleaning up   | : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).       |

**7. HANDLING AND STORAGE****Handling**

MSDS Number:100000014152

4/15

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

**Storage**

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters****US**

| Ingredients     | Basis     | Value | Control parameters     | Note       |
|-----------------|-----------|-------|------------------------|------------|
| 3-Methylpentane | ACGIH     | TWA   | 500 ppm,               |            |
|                 | ACGIH     | STEL  | 1,000 ppm,             |            |
|                 | OSHA Z1A  | TWA   | 500 ppm, 1,800 mg/m3   |            |
|                 | OSHA Z1A  | STEL  | 1,000 ppm, 3,600 mg/m3 |            |
| Hexane          | ACGIH     | TWA   | 50 ppm,                | BEI, Skin, |
|                 | OSHA Z1B  | TWA   | 500 ppm, 1,800 mg/m3   | (b),       |
|                 | OSHA Z1A  | TWA   | 50 ppm, 180 mg/m3      |            |
|                 | NIOSH REL | TWA   | 50 ppm, 180 mg/m3      |            |

(b) The value in mg/m3 is approximate.

BEI Substances for which there is a Biological Exposure Index or Indices (see BEI® section)

Skin Danger of cutaneous absorption

**Personal protective equipment**

Respiratory protection : In the case of vapor formation use a respirator with an approved filter.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink. When using do not smoke.

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Appearance**

|                |             |
|----------------|-------------|
| Form           | : Liquid    |
| Physical state | : Liquid    |
| Color          | : Colorless |
| Odor           | : Mild      |

**Safety data**

|                       |   |
|-----------------------|---|
| Flash point           | : -32 °C (-26 °F)<br>Method: Tag closed cup |
| Lower explosion limit | : 1.2 %(V)                                  |
| Upper explosion limit | : 7.7 %(V)                                  |

Oxidizing properties : No

Autoignition temperature : 278 °C (532 °F)  
estimated

Molecular formula : C<sub>6</sub>H<sub>14</sub>

Molecular Weight : 86.2 g/mol

pH : No data available

Freezing point : No data available

Pour point : No data available

Boiling point/boiling range : 62 - 63 °C (144 - 145 °F)

Vapor pressure : 6.10 PSI  
at 37.8 °C (100.0 °F)

Relative density : 0.67, 15.6 °C(60.1 °F)

Density : 667.5 G/L

Water solubility : Negligible

Partition coefficient: n-octanol/water : No data available

Viscosity, dynamic : 0.32 cP

Relative vapor density : 3  
(Air = 1.0)

Evaporation rate : > 1

Percent volatile : > 99 %

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

**10. STABILITY AND REACTIVITY****Possibility of hazardous reactions**

- Conditions to avoid : Heat, sparks, fire, and oxidizing agents.
- Materials to avoid : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- Other data : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  
No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION****Acute oral toxicity**

- 3-Methylpentane : LD50: unknown
- Hexane LD50: 16 g/kg  
Species: rat  
Sex: male and female
- 3-Methylpentane LD50: unknown
- Hexane LD50: 16 g/kg  
Species: rat  
Sex: male and female

**Acute inhalation toxicity**

- 3-Methylpentane : LD50: unknown  
Hexane LC50: 73680 ppm  
Exposure time: 4 HR  
Species: rat  
Sex: male
- 3-Methylpentane LD50: unknown  
Hexane LC50: 73680 ppm  
Exposure time: 4 HR  
Species: rat  
Sex: male

**Acute dermal toxicity**

- 3-Methylpentane : LD50: unknown
- Hexane LD50: 3350 mg/kg  
Species: rabbit  
Sex: male and female
- 3-Methylpentane LD50: unknown
- Hexane LD50: 3350 mg/kg  
Species: rabbit  
Sex: male and female

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

**3-Methylpentane (Pure Grade)**

Skin irritation : Mild skin irritation

**3-Methylpentane (Pure Grade)**

Eye irritation : Eye irritation

May cause irreversible eye damage.

**Sensitization**

Hexane : Did not cause sensitization on laboratory animals.

Does not cause skin sensitization.

Did not cause sensitization on laboratory animals.

Does not cause skin sensitization.

**Repeated dose toxicity**

Hexane : Species: rat, male  
Sex: male  
Application Route: Inhalation  
Dose: 3,000 ppm  
Exposure time: 16 wks  
Number of exposures: 12 h/d  
Lowest observable effect level: 3,000 ppm  
Target Organs: Peripheral nervous system

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Species: mouse, female  
Sex: female  
Application Route: Inhalation  
Dose: 500, 1,000, 4,000, 10,000 ppm  
Exposure time: 13 wks  
Number of exposures: 6h or 22h (1,000 ppm)/ 5d/wk  
Lowest observable effect level: 500 ppm  
Target Organs: Nose

Species: mouse, male  
Sex: male  
Application Route: Inhalation  
Dose: 500, 1,000, 4000, 10,000 ppm  
Exposure time: 13 wks  
Number of exposures: 6h or 22h (1,000 ppm)/d, 5d/wk  
NOEL: 500 ppm  
Lowest observable effect level: 1,000 ppm  
Target Organs: Nose

Species: rat, male  
Sex: male  
Application Route: oral gavage  
Dose: 568, 1,135, 3,973 mg/kg bw/day  
Exposure time: 90 or 120 days  
Number of exposures: Daily or 5d/wk (120-d study)  
NOEL: 568 mg/kg bw/day  
Lowest observable effect level: 1135 mg/kg bw/day

**Carcinogenicity**

Hexane

: Species: rat  
Dose: 0.043, 900, 3,000, 9,016 ppm  
Exposure time: 2 yrs  
Number of exposures: 6 h/d, 5 d/wk  
Remarks: No evidence of carcinogenicity

Species: mouse  
Dose: 0.039, 900, 3,000, 9,018 ppm  
Exposure time: 2 yrs  
Number of exposures: 6 h/d, 5 d/wk  
Remarks: No evidence of carcinogenicity

Species: rat  
Dose: 0.043, 900, 3,000, 9,016 ppm  
Exposure time: 2 yrs  
Number of exposures: 6 h/d, 5 d/wk  
Remarks: No evidence of carcinogenicity

Species: mouse  
Dose: 0.039, 900, 3,000, 9,018 ppm  
Exposure time: 2 yrs  
Number of exposures: 6 h/d, 5 d/wk  
Remarks: No evidence of carcinogenicity

**Reproductive toxicity**

Hexane

: Species: rat  
Application Route: Inhalation  
Dose: 5,000 ppm

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Number of exposures: 16 hr/d, 6 d/wk  
Test period: 6 wks

Species: rat  
Application Route: Inhalation  
Dose: 5,000 ppm  
Number of exposures: 16 hr/d, 6 d/wk  
Test period: 6 wks

**Teratogenicity**

Hexane

: Species: rat  
Application Route: Inhalation  
Dose: 200, 1,000, 5,000 ppm  
Number of exposures: 20 hr/d, daily  
Test period: GD 6-20  
NOAEL Teratogenicity: 200 ppm  
NOAEL Maternal: 200 ppm

Species: mouse  
Application Route: Inhalation  
Dose: 200, 1,000, 5,000 ppm  
Number of exposures: 20 hr/d, daily  
Test period: GD 6-17  
NOAEL Maternal: 1,000 ppm

Species: rat  
Application Route: Inhalation  
Dose: 200, 1,000, 5,000 ppm  
Number of exposures: 20 hr/d, daily  
Test period: GD 6-20  
NOAEL Teratogenicity: 200 ppm  
NOAEL Maternal: 200 ppm

Species: mouse  
Application Route: Inhalation  
Dose: 200, 1,000, 5,000 ppm  
Number of exposures: 20 hr/d, daily  
Test period: GD 6-17  
NOAEL Maternal: 1,000 ppm

**3-Methylpentane (Pure Grade)**

Aspiration toxicity

: May be fatal if swallowed and enters airways.  
Substances known to cause human aspiration toxicity hazards  
or to be regarded as if they cause human aspiration toxicity  
hazard.

**CMR effects**

Hexane

: Carcinogenicity: Not classifiable as a human carcinogen.  
Mutagenicity: Did not show mutagenic effects in animal  
experiments.  
Teratogenicity: Suspected of damaging the unborn child.  
Reproductive toxicity: Suspected of damaging fertility.

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

Carcinogenicity: Not classifiable as a human carcinogen.  
Mutagenicity: Did not show mutagenic effects in animal experiments.  
Teratogenicity: Suspected of damaging the unborn child.  
Reproductive toxicity: Suspected of damaging fertility.

**3-Methylpentane (Pure Grade)**

Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

**12. ECOLOGICAL INFORMATION****Toxicity to fish**

3-Methylpentane : No data available

Hexane  
LL50: 12.51 mg/l  
Exposure time: 96 HR  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: QSAR modeled data

3-Methylpentane No data available

Hexane  
LL50: 12.51 mg/l  
Exposure time: 96 HR  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: QSAR modeled data

**Toxicity to daphnia and other aquatic invertebrates.**

3-Methylpentane : No data available

Hexane  
EL50: 21.85 mg/l  
Exposure time: 48 HR  
Species: Daphnia magna (Water flea)  
Method: QSAR modeled data

3-Methylpentane No data available

Hexane  
EL50: 21.85 mg/l  
Exposure time: 48 HR  
Species: Daphnia magna (Water flea)  
Method: QSAR modeled data

**Toxicity to algae**

Hexane : EL50: 9.29 mg/l  
Exposure time: 72 HR  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: QSAR modeled data

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

EL50: 9.29 mg/l  
Exposure time: 72 HR  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: QSAR modeled data

**Elimination information (persistence and degradability)****Bioaccumulation**

Hexane : Bioconcentration factor (BCF): 501  
Does not significantly accumulate in organisms.

: Bioconcentration factor (BCF): 501  
Does not significantly accumulate in organisms.

Biodegradability : Not applicable

**Further information on ecology****Results of PBT assessment**

Hexane : Non-classified vPvB substance, Non-classified PBT substance  
: Non-classified vPvB substance, Non-classified PBT substance

**Additional ecological information** : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

**13. DISPOSAL CONSIDERATIONS**

The information in this MSDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

**14. TRANSPORT INFORMATION**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names,

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading.

**USDOT**

UN1208, HEXANES, 3, II, RQ (N-HEXANE)

**IMO / IMDG**

UN1208, HEXANES, 3, II, MP (3-METHYLPENTANE), (-32 °C)

**IATA**

UN1208, HEXANES, 3, II

**ADR**

UN1208, HEXANES, 3, II

**RID**

UN1208, HEXANES, 3, II

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**15. REGULATORY INFORMATION****National legislation**

**Canadian PBT Chemicals** :

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 302 Reportable Quantity** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Ingredients** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

**US State Regulations****Pennsylvania Right To Know**

Ingredients : 3-Methylpentane 96-14-0

**New Jersey Right To Know**

Ingredients : 3-Methylpentane 96-14-0

**California Prop. 65 Ingredients**

: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**3-Methylpentane (Pure Grade)**

Version 1.2

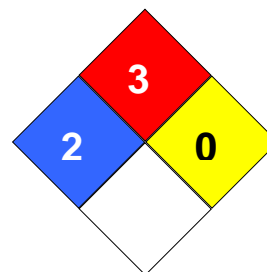
Revision Date 2011-04-07

**Notification status**

|                                  |   |   |
|----------------------------------|---|---|
| Europe REACH                     | : | Not in compliance with the inventory                  |
| United States of America US.TSCA | : | On the inventory, or in compliance with the inventory |
| Canada DSL                       | : | On the inventory, or in compliance with the inventory |
| Australia AICS                   | : | On the inventory, or in compliance with the inventory |
| New Zealand NZIoC                | : | On the inventory, or in compliance with the inventory |
| Japan ENCS                       | : | On the inventory, or in compliance with the inventory |
| Korea KECI                       | : | On the inventory, or in compliance with the inventory |
| Philippines PICCS                | : | On the inventory, or in compliance with the inventory |
| China IECSC                      | : | On the inventory, or in compliance with the inventory |

**16. OTHER INFORMATION**

**NFPA Classification** : Health Hazard: 2  
 Fire Hazard: 3  
 Reactivity Hazard: 0

**Further information**

Legacy MSDS Number : 27640

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this MSDS pertains only to the product as shipped.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

| Key or legend to abbreviations and acronyms used in the safety data sheet |   |       |   |
|---|---|-------|---|
| ACGIH   | American Conference of Government Industrial Hygienists | LOAEL | Lowest Observed Adverse Effect Level                |
| AICS  | Australia, Inventory of Chemical Substances             | NFPA  | National Fire Protection Agency                     |
| DSL   | Canada, Domestic Substances List                        | NIOSH | National Institute for Occupational Safety & Health |
| NDSL  | Canada, Non-Domestic Substances List                    | NTP   | National Toxicology Program                         |
| CNS   | Central Nervous System                                  | NZIoC | New Zealand Inventory of Chemicals                  |
| CAS   | Chemical Abstract Service                               | NOAEL | No Observable Adverse Effect Level                  |
| EC50  | Effective Concentration                                 | NOEC  | No Observed Effect Concentration                    |
| EC50  | Effective Concentration 50%                             | OSHA  | Occupational Safety & Health Administration         |
| EINECS  | European Inventory of Existing Chemical Substances      | PEL   | Permissible Exposure Limit                          |

**3-Methylpentane (Pure Grade)**

Version 1.2

Revision Date 2011-04-07

|       |  |       |  |
|-------|--|-------|--|
| MAK   | Germany Maximum Concentration Values                     | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| GHS   | Globally Harmonized System                               | PRNT  | Presumed Not Toxic   |
| >=    | Greater Than or Equal To                                 | RCRA  | Resource Conservation Recovery Act   |
| IC50  | Inhibition Concentration 50%                             | STEL  | Short-term Exposure Limit  |
| IARC  | International Agency for Research on Cancer              | SARA  | Superfund Amendments and Reauthorization Act.  |
| IECSC | Inventory of Existing Chemical Substances in China       | TLV   | Threshold Limit Value  |
| ENCS  | Japan, Inventory of Existing and New Chemical Substances | TWA   | Time Weighted Average  |
| KECI  | Korea, Existing Chemical Inventory                       | TSCA  | Toxic Substance Control Act  |
| <=    | Less Than or Equal To                                    | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| LC50  | Lethal Concentration 50%                                 | WHMIS | Workplace Hazardous Materials Information System                                     |
| LD50  | Lethal Dose 50%  |       |  |