

# SAFETY DATA SHEET

## In Accordance with ISO/DIS 11014

Review Date 10/16/2013

Revision Date 10/16/2013

### 1 Identification of the Substance/Mixture and Company

**Product Name:** Clearify

**MSDS Code:** SSCACLE

**CAS Number:**

64742-48-9

**EC number:**

265-150-3

**Index number:**

649-327-00-6

**Product Description:** Clearing/Deparaffinization Agent

**Manufacturer/Supplier:**

American MasterTech

1330 Thurman Street

Lodi, CA 95240

USA

(800) 860-4073

**European Authorized Representative:**

Emergo Europe

Moleensraat 15

2513 BH The Hague,

The Netherlands

**Emergency Telephone Number:** Infotrac (800) 535-5053 (24 hours) - International (011) 352-323-3500

### 2 Hazards Identification

**Classification of the substance or mixture**



GHS08 Health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

H227 Combustible liquid.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

**Information concerning particular hazards for human and environment:** Not applicable.

**Label elements**

**GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



GHS08

# SAFETY DATA SHEET

## In Accordance with ISO/DIS 11014

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Revision Date 10/16/2013

**Product Name:** Clarify**Signal word** Danger**Hazard-determining components of labeling:**

Naphtha (petroleum), hydrotreated heavy

**Hazard statements**

Combustible liquid.

May be fatal if swallowed and enters airways.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Store locked up.

Store in a well-ventilated place. Keep cool.

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

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 2

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = 1

Fire = 2

Reactivity = 0

**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition

**Chemical characterization: Substances****CAS No. Description**

64742-48-9 Naphtha (petroleum), hydrotreated heavy

**Identification number(s)****EC number:** 265-150-3**Index number:** 649-327-00-6

### 4 First Aid Measures

**Description of first aid measures****After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.**Information for doctor:****Most important symptoms and effects, both acute and delayed:** No further relevant information available.

# SAFETY DATA SHEET

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**Product Name:** Clarify**Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

## 5 Firefighting Measures

**Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture:** No further relevant information available.**Advice for firefighters****Protective equipment:** No special measures required.

## 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Not required.**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and Storage

**Handling:****Precautions for safe handling:** Open and handle receptacle with care.**Information about protection against explosions and fires:** Keep respiratory protective device available.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**Specific end use(s):** No further relevant information available.

## 8 Exposure Controls/Personal Protection

**Additional information about design of technical systems:** No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:** Not required.**Additional information:** The lists that were valid during the creation were used as basis.**Exposure controls:****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

# SAFETY DATA SHEET

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Review Date 10/16/2013

Revision Date 10/16/2013

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Store protective clothing separately.

**Breathing equipment:** Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling.

## 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance

<b>Form:</b>	Fluid
<b>Color:</b>	Clear
<b>Odor:</b>	Specific type
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not determined.

#### Change in condition

<b>Melting point/Melting range:</b>	-25°C (-13 °F)
<b>Boiling point/Boiling range:</b>	189°C (372 °F)

**Flash point:** 66°C (151 °F)

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 240°C (464 °F)

**Decomposition temperature:** Not determined.

**Auto igniting:** Not determined.

**Danger of explosion:** Not determined.

#### Explosion limits:

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7 Vol %

**Vapor pressure at 20°C (68 °F):** 1 hPa (1 mm Hg)

**Density at 20°C (68 °F):** 0.785 g/cm<sup>3</sup> (6.551 lbs/gal)

**Relative density:** Not determined.

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

#### Solubility in / Miscibility with

**Water at 20°C (68 °F):** 0.04 g/l

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<b>Segregation coefficient (n-octanol/water):</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information:</b>	No further relevant information available.

## 10 Stability and Reactivity

**Reactivity:****Chemical stability:****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions:** No dangerous reactions known.**Conditions to avoid:** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicology Information

**Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral LD50 &gt;5000 mg/kg (rat)

Dermal LD50 &gt;3000 mg/kg (rab)

**Primary irritant effect:****On the skin:** No irritant effect.**On the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

Substance is not listed.

**NTP (National Toxicology Program)**

Substance is not listed.

## 12 Ecological Information

**Toxicity:****Aquatic toxicity:** No further relevant information available.**Persistence and degradability:** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.

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**Additional ecological information:**
**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

**Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

**Waste treatment methods:**
**Recommendation:** Disposal must be made according to official regulations.

**Uncleaned packagings:**
**Recommendation:** Disposal must be made according to official regulations.

### 14 Transport Information

<b>UN-Number</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>UN proper shipping name</b> DOT, ADR, ADN, IMDG, IATA	Void
<b>Transport hazard class(es)</b> DOT, ADR, ADN, IMDG, IATA Class	Void
<b>Packing group</b> DOT, ADR, IMDG, IATA	Void
<b>Environmental hazards</b> Marine pollutant:	No
<b>Special precautions for user:</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable.
<b>UN "Model Regulation":</b>	-

### 15 Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA

**Section 355 (extremely hazardous substances):**

Substance is not listed.

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**Product Name:** Clarify**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):**

Substance is listed.

**Proposition 65****Chemicals known to cause cancer:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories****EPA (Environmental Protection Agency)**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

**GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).**Hazard pictograms**

GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

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Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

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**Product Name:** Clarify

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

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other Information

This information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of the material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

**Department issuing SDS:** Regulatory Department

**Contact:** Phone (800) 860-4073

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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