

TRACIT-1100 Heat Transfer Compound-Safety Data Sheet

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade Name: **Chemax TRACIT-1100 Heat Transfer Compound**

REACH number: Not relevant (mixture)

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

Recommended uses: Surface-to-surface heat conduction.

Not Recommended use: None known.

1.3 Details of the supplier of the safety data sheet

Chemax Manufacturing Corporation

1025 River Road

New Castle, Delaware 19720-USA

Telephone: 1-800-804-4596

E-mail (competent person): sales@chemax.com

Website: www.chemax.com

1.4 Emergency telephone number

Emergency information: 1-800-804-4596 ext. 2

National Poison Control Center: 1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not classified as dangerous for supply/use.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

signal word

None

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pictograms	None
hazard statements	None
precautionary statements	None

2.3 Other hazards

This substance/mixture does not meet the PBT or vPvB criteria of REACH regulation, annex XIII.

2.4 Additional information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Does not contain any ingredients that are classified.

As per 29 CFR 1910.1200 paragraph (i), formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes: Not expected to be a health hazard if used under normal conditions.

Inhalation: Under typical conditions of intended use, material is not expected to be inhalation hazard. If symptoms exist, move to fresh air and seek medical attention.

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Skin contact: If exposed for long periods of time, mild skin irritation may develop.
Wash skin with soap and water.

Eye contact: Remove contact lenses, if present and easy to do. Hold eye lids open and flush thoroughly with water for 15 minutes. If irritation develops, seek medical treatment.

Ingestion: Do not induce vomiting. Rinse mouth with fresh water. Call a doctor if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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 (fog), dry chemical, foam, or CO₂.

Unsuitable extinguishing media

Water stream may splash burning liquid and spread fire.

5.2 Special hazard arising from the substance or mixture

Hazardous combustion product may include a complex mixture of airborne solid and liquid particulates and gases, such as carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Wear proper protective equipment and SCBA.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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Wear appropriate Personal Protective Equipment (PPE). Keep all unnecessary personnel out of the area. Clean up spills to prevent slipping hazards, and contamination of soil, surface, or groundwater.

For emergency responders

Wear appropriate Personal Protective Equipment (PPE). Avoid direct skin/eye contact with material.

6.2 Environmental precautions

Avoid discharge into drain, surface, and ground waters. Contact authorities if discharge into sewers or public water occurs.

6.3 Methods and materials for containment and cleaning up

For containment

Cover drains. This compound has a high viscosity and will not likely leak.

Methods for cleaning up

A degreasing agent may be used to aid in clean-up. Place collected material into a closed container for disposal. Follow local disposal regulations.

6.4 Reference to other sections

Disposal considerations see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid prolonged contact with skin, and direct contact with eyes.
Wash hands with mild soap and water before eating.

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature in plastic or steel containers.
Keep container lid sealed tightly when not in use.
Protect compound from direct contact with open flames and strong oxidizing agents.

7.3 Specific end use(s)

No information

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No additional information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation of the workstation.

8.2.2 Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment.

Eye/face protection



Safety glasses with side shields are recommended if contact is likely.

Wear suitable safety goggles with side protection, according to EN 166:2002.

Skin protection



No protection is required under normal conditions of use.

For prolonged periods of exposure to the product, CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018 are recommended.

Respiratory protection

In case of insufficient ventilation, or if irritation develops, wear suitable respiratory equipment. NIOSH/MSHA approved respiratory protection should be worn.

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Thermal hazards
 Not required.

8.2.3 Environmental exposure controls

Minimize release to the environment. Dispose in accordance with local regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Black
Odor and threshold	Slight odor
Melting point/freezing point	No information available
pH (value)	Not applicable
Relative density	1.4 g/cm ³
Solubility (water)	Not soluble
Initial boiling point and boiling range	Not applicable
Flash point	>500 °F (260 °C)
Flammability	No data available
Upper/lower explosion limit	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	< 0.13 kPa (< 1 mm Hg) (ambient temp)
Vapour density (air=1)	< 1
Partition coefficient	Not applicable

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions of intended use.

10.2 Chemical Stability

Stable if used in recommended temperature range.

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10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Open flames.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Not expected to occur under normal conditions of use or storage.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Regulation (EC) No 1272/2008

No data available for the complete mixture.

Classification procedure based on ingredients in compound (additivity).

Classification according to GHS (1272/2008/EC, CLP)

Not classified as acutely toxic.

Skin corrosion/irritation

Repeated and/or prolonged contact with skin without adequate cleaning may clog the pores of the skin.

Serious eye damage/irritation

May cause slight short-term irritation.

Respiratory or skin sensitization

Not sensitizing.

Germ cell mutagenicity

Not classified. Not expected to be a germ cell mutagen.

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Carcinogenicity

Not classified. Mixture ingredients not listed as a possible carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IRC, or the National Toxicology Program (NTP).

Reproductive toxicity

No evidence of reproductive toxicity.

STOT-single exposure

Not classified. Not hazardous based on component data.

STOT-repeated exposure

Not classified. Not hazardous based on component data.

Aspiration hazard

Not classified. Not expected to be an aspiration hazard.

Other information

None.

11.2 Information on other hazards

No additional information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability:

Not readily biodegradable.

12.3 Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4 Mobility in soil

Insoluble in water.

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12.5 Results of PBT and vPvB assessment

Material does not meet the Reach Annex XIII criteria for PBT or vPvB.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

No adverse effects are expected.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of product in accordance with local, regional, national, and/or international regulations. Prevent discharge into sewers or streams.

Packaging waste

Dispose of container in accordance with local, regional, national, and/or international regulations. Empty containers may retain some product residues.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

Not subject to transport regulations.

14.2 UN proper shipping name

Not assigned.

14.3 Transport hazard class(es)

None.

14.4 Packing group

Not assigned.

14.5 Environmental hazards

Non-environmentally hazardous acc. to the dangerous goods regulations.

14.6 Special precautions for user

No additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

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Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)
– additional information not assigned.

International Maritime Dangerous Goods Code (IMDG) - additional information
Not subject to IMDG.

SECTION 15: REGULATORY INFORMATION

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

List of REACH substances with Annex XVII restrictions
None

List of substances subject to authorization (REACH, Annex XIV) / SVHC - candidate list
None of the ingredients are listed.

TSCA Inventory Status
Reported/Included.

AICS Inventory Status
Reported/Included.

DSL/NDSL Inventory Status
Reported/Included.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)
None of the ingredients are listed.

Regulation 98/2013/EU on the marketing and use of explosives precursors
None of the ingredients are listed.

Water Framework Directive (WFD)
None of the ingredients are listed.

15.2 Chemical safety assessment

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No Chemical Safety Assessment has been carried out for this product by the manufacturer.

SECTION 16: OTHER INFORMATION

Indication of changes

Revised previous SDS format to current regulatory format.

Key to abbreviations and acronyms:

ADR -The European agreement concerning the international carriage of dangerous goods by road.

BLV - Biological limit values.

DNEL - Derived no-effect level.

EC50 - Half maximal effective concentration.

LC50 - Median lethal concentration.

LD50 - Median lethal dose.

PNEC - Predicted No Effect Concentration.

RID - The Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL - Short-term exposure limit.

TWA - 8 hours' time-weighted average.