SAFETY DATA SHEET

SDS # : 081223  
HTX 976+

Date of the previous version: not applicable  
Revision Date: 2016-01-22  
Version 1

1. IDENTIFICATION

Product identifier

Product name
HTX 976+

Other means of identification

Product Code(s)
081223

Number
8N9

Substance/mixture
Mixture

Recommended use of the chemical and restrictions on use

Identified uses
Motor oil.

Uses advised against
Do not use for any purpose other than the one for which it is intended

Details of the supplier of the safety data sheet

Supplier Address
TOTAL Specialties USA Inc
1201 Louisiana Street, Suite 1800
Houston, TX  77002
Phone: +1 800 323 3198

Contact Point
Technical/ HSEQ

E-mail Address
USRMLIN-info@total.com

Emergency telephone number

Company Phone Number
+1 (908) 862-9300

Emergency telephone
CHEMTREC: +1 800 424 9300 (24h)

2. HAZARDS IDENTIFICATION

Classification

Skin sensitization - Category 1

Label elements
WARNING

May cause an allergic skin reaction

Precautionary Statements - Prevention
Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response
Specific treatment (see Section 4 on this label)
Skin
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity
No information available

Hazards not otherwise classified (HNOC)
None known

Other information
Physical-Chemical Properties
Contaminated surfaces will be extremely slippery.

Environmental properties
Should not be released into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical nature
The product is made from synthetic base oils (esters).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs</td>
<td>84605-20-9</td>
<td>&lt;4.5</td>
</tr>
<tr>
<td>Calcium long chain alkaryl sulfonate</td>
<td>722503-68-6</td>
<td>&lt;2</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

First aid measures for different exposure routes

**General advice**
IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

**Eye contact**
Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact**
Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.

**Inhalation**
Move to fresh air.

**Ingestion**
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

**Skin contact**
May cause an allergic skin reaction.

**Eye contact**
Not classified.

**Inhalation**
Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Ingestion**
Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms**
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Carbon dioxide (CO₂). ABC powder. Foam. Water spray or fog.

**Unsuitable Extinguishing Media**
Do not use a solid water stream as it may scatter and spread fire.

**Special Hazard**
Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

**Explosion Data**

**Sensitivity to Mechanical Impact**
None.
Sensitivity to Static Discharge: None.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Information: Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Other information: See Section 12 for additional information.

Environmental precautions

General Information: Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for cleaning up: Dam 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). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion: Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.

Hygiene measures: Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands and face before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

Conditions for safe storage, including any incompatibilities
Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to Avoid

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Mineral oil mist:
USA: OSHA (PEL) TWA 5 mg/m³, NIOSH (REL) TWA 5 mg/m³, STEL 10 mg/m³, ACGIH (TLV) TWA 5 mg/m³ (highly refined).

Exposure controls

Engineering Measures

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

General Information
If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Eye/Face Protection
If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection
Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.

Hand Protection
Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Respiratory protection
None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands and face before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
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<td></td>
</tr>
<tr>
<td>Color</td>
<td>blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical State @20°C</td>
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</tr>
<tr>
<td>Odor</td>
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<td>Odor Threshold</td>
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<tr>
<td><strong>Property</strong></td>
<td><strong>Values</strong></td>
<td><strong>Remarks</strong></td>
<td><strong>Method</strong></td>
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<td><strong>pH</strong></td>
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<td><strong>Melting point/range</strong></td>
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<td><strong>Boiling point/boiling range</strong></td>
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<td><strong>Flash point</strong></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>432 °F</td>
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<td>Open cup.</td>
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<tr>
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<td><strong>Flammability Limits in Air</strong></td>
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</tr>
<tr>
<td>upper</td>
<td></td>
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</tr>
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<td>Lower</td>
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</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
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<td><strong>Vapor density</strong></td>
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<tr>
<td>Relative density</td>
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<td><strong>Density</strong></td>
<td>918 kg/m³</td>
<td>@ 15 °C</td>
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<td><strong>Water solubility</strong></td>
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<td><strong>logPow</strong></td>
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<tr>
<td><strong>Autoignition temperature</strong></td>
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<td><strong>Decomposition temperature</strong></td>
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<tr>
<td><strong>Viscosity, kinematic</strong></td>
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<td><strong>Explosive properties</strong></td>
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<td><strong>Oxidizing Properties</strong></td>
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<tr>
<td><strong>Possibility of hazardous reactions</strong></td>
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</tr>
<tr>
<td><strong>Other information</strong></td>
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<td></td>
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</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity

No information available.
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Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to Avoid
Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principle Routes of Exposure
Inhalation, Ingestion, Eye contact, Skin contact.

Symptoms
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Skin contact
May cause an allergic skin reaction.

Eye contact
Not classified.

Inhalation
Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion
Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity - Product Information

Product Information
Product does not present an acute toxicity hazard based on known or supplied information.

Oral
Not classified.

ATEmix (oral)
113918 mg/kg

Dermal
Not classified

ATEmix (dermal)
113918 mg/kg

Inhalation
Not classified

ATEmix (inhalation-dust/mist)
116.2 mg/l

ATEmix (inhalation-vapor)
1264.2 mg/l

Acute toxicity - Component Information

Sensitization
May cause an allergic skin reaction.
Carcinogenicity

This product is not classified carcinogenic. During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

Mutagenicity

This product is not classified as mutagenic.

Reproductive toxicity

This product does not present any known or suspected reproductive hazards.

Other adverse effects

Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Aspiration Hazard

Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity - Product Information

No information available

Acute aquatic toxicity - Component Information

No information available

Chronic aquatic toxicity - Product Information

No information available

Chronic aquatic toxicity - Component Information

No information available

Effects on terrestrial organisms

No information available.

Persistence and degradability

General Information

No information available.

Bioaccumulative potential

Product Information

No information available.

LogPow

No information available

Component Information

No information available.
Mobility

Soil  Given its physical and chemical characteristics, the product generally shows low soil mobility
Air   Loss by evaporation is limited
Water Insoluble The product spreads on the surface of the water.

Other adverse effects

General Information  No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods  Dispose of in accordance with local regulations.
Contaminated packaging  Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT  Not regulated
TDG  Not regulated
MEX  Not regulated
ICAO/IATA  Not regulated
IMDG/IMO  Not regulated
ADR/RID  Not regulated
ADN  Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
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SARA 311/312 Hazard Categories
- Acute Health Hazard: Yes
- Chronic Health Hazard: no
- Fire Hazard: no
- Sudden Release of Pressure Hazard: no
- Reactive Hazard: no

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene - 91-20-3</td>
<td>&lt;0.0025</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations
No information available

16. OTHER INFORMATION

NFPA
- Health Hazard: 2
- Flammability: 1
- Instability: 0
- Physical and chemical hazards:
  - Physical Hazard: 0
  - Personal protection: X

HMIS
- Health Hazard: 2
- Flammability: 1
- Physical Hazard: 0

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

Revision Date: 2016-01-22
Revision Note

Abbreviations, acronyms

*** Indicates updated section

ACGIH = American Conference of Governmental Industrial Hygienists
bw = body weight
bw/day = body weight/day
EC x = Effect Concentration associated with x% response
GLP = Good Laboratory Practice
IARC = International Agency for Research of Cancer
LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals
LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals
LL = Lethal Loading
NIOSH = National Institute of Occupational Safety and Health
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOEL = No Observed Effect Level
OECD = Organization for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

Legend

Section 8
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
PEL - Permissible Exposure Limits
IDHL - Immediately Dangerous to Life or Health concentrations
TWA - Time Weight Average
STEL - Short Term Exposure Limits
S* - Skin notation
TSCA - Toxic Substance Control Act

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user’s responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the safety data sheet