

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.



Product name: NYETACT 502J-20-UV

Issue date: June-27-2011  
Revision date: October-10-2024  
Version #: 27  
SDS No: NYETACT 502J-20-UV

## SECTION 1 Chemical product and company identification

|                                   |   |                 |  |
|-----------------------------------|---|-----------------|--|
| <b>Product Name</b>               | NYETACT 502J-20-UV                                      |                 |  |
| <b>Product Code</b>               | NYETACT 502J-20-UV                                      |                 |  |
| <b>Manufacturer/Supplier</b>      | Nye Lubricants, Inc. A Member of the FUCHS Group        |                 |  |
| <b>Address</b>                    | 12 Howland Road<br>Fairhaven, MA 02719<br>United States |                 |  |
| <b>Contact person</b>             | Not available.  |                 |  |
| <b>Telephone</b>                  | +1-508-996-6721   |                 |  |
| <b>e-mail</b>                     | sds@fuchs.com   |                 |  |
| <b>Emergency telephone number</b> | Americas  | +1 760 476 3961 |  |
|                                   | Europe  | +1 760 476 3962 |  |
|                                   | Asia Pacific  | +1 760 476 3960 |  |
|                                   | Access code   | 334212          |  |

### Recommended use and Limitations on use

|                        |                                |
|------------------------|--------------------------------|
| <b>Recommended use</b> | Lubricant Dispersed in Solvent |
| <b>Issue date</b>      | June-27-2011                   |
| <b>Revision date</b>   | October-10-2024                |
| <b>Supersedes date</b> | February-23-2024               |

## SECTION 2 Hazards identification

|                           |   |
|---------------------------|---|
| <b>Emergency overview</b> | May be ignited by heat, sparks or flames. May be fatal if swallowed and enters airways. Causes mild skin irritation. Dangerous for the environment if discharged into watercourses. |
|---------------------------|---|

### GHS hazard categories

|                              |  |            |
|------------------------------|--|------------|
| <b>Physical hazards</b>      | Flammable liquids                                      | Category 3 |
| <b>Health hazards</b>        | Skin corrosion/irritation                              | Category 3 |
|                              | Aspiration hazard                                      | Category 1 |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, long-term hazard | Category 2 |

### Label elements

#### Pictograms



|                    |        |
|--------------------|--------|
| <b>Signal word</b> | Danger |
|--------------------|--------|

#### Hazard statement

|      |  |
|------|--|
| H226 | Flammable liquid and vapor.                      |
| H304 | May be fatal if swallowed and enters airways.    |
| H316 | Causes mild skin irritation.                     |
| H411 | Toxic to aquatic life with long lasting effects. |

#### Precautionary statement

|                   |  |
|-------------------|--|
| <b>Prevention</b> |  |
| 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.            |

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/doctor.  
P331 Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P370 + P378 In case of fire: Use appropriate media to extinguish.  
P391 Collect spillage.

**Safety storage**

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

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical and chemical hazards** Flammable liquid and vapor. The product is stable and non-reactive under normal conditions of use, storage and transport.

**Health hazards** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. No adverse effects due to inhalation are expected. Causes mild skin irritation. Direct contact with eyes may cause temporary irritation.

**Environmental hazards** Toxic to aquatic life with long lasting effects.

**Supplemental information** None.

**SECTION 3 Composition/information on ingredients**

| Substance/mixture                        | Mixture           |            |  |
|--|-------------------|------------|--|
| Chemical name                            | Concentration (%) | CAS Number |  |
| 加氢重石脑油(石油)                               | 80 - < 90         | 64742-48-9 |  |
| NAPHTHA (PETROLEUM), HYDROTREATED HEAVY  |                   |            |  |
| Other components below reportable levels | 20 - < 30         |            |  |

**SECTION 4 First aid measures**

|   |   |
|---|---|
| <b>Inhalation</b>                                   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>                                 | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>                                  | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.   |
| <b>Ingestion</b>                                    | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.   |
| <b>Most important symptoms and health effects</b>   | Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Mild skin irritation.  |
| <b>Personal protection for first-aid responders</b> | Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.   |
| <b>Notes to physician</b>                           | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |

**SECTION 5 Fire-fighting measures**

|   |  |
|---|--|
| <b>Extinguishing media</b>              | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).  |
| <b>Extinguishing media to avoid</b>     | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards</b>                 | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| <b>Special fire fighting procedures</b> | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Protection of fire-fighters</b>      | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>General fire hazards</b>             | Flammable liquid and vapor.  |
| <b>Specific methods</b>                 | Use standard firefighting procedures and consider the hazards of other involved materials.   |

**SECTION 6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Clean-up methods and materials and containment measures**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

**Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  
Not available.

**Prevention of secondary hazards****SECTION 7 Handling and storage****Handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Storage**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**SECTION 8 Exposure controls/personal protection****Exposure limits**

No exposure limits noted for ingredient(s).

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Monitoring methods**

Follow standard monitoring procedures.

**Engineering measures**

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Personal protective equipment****Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Hand protection**

Wear protective gloves.

**Eye protection**

Wear safety glasses with side shields (or goggles). Face shield is recommended.

**Skin and body protection**

Wear suitable protective clothing. Use of an impervious apron is recommended.



|                         |  |
|-------------------------|--|
| <b>Hygiene measures</b> | When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |
|-------------------------|--|

## SECTION 9 Physical and chemical properties

|  |                              |
|--|------------------------------|
| <b>Appearance</b>  | Clear.                       |
| <b>Physical state</b>  | Liquid.                      |
| <b>Form</b>  | Liquid.                      |
| <b>Color</b>   | Light yellow.                |
| <b>Odor</b>  | Not available.               |
| <b>pH</b>  | Not available.               |
| <b>Melting point/freezing point</b>                            | Not available.               |
| <b>Boiling point, initial boiling point, and boiling range</b> | 312.8 °F (156 °C)            |
| <b>Flash point</b>   | 104.0 °F (40.0 °C) ASTM D-92 |
| <b>Explosive limit - lower (%)</b>                             | Not available.               |
| <b>Explosive limit - upper (%)</b>                             | Not available.               |
| <b>Vapor pressure</b>  | Not available.               |
| <b>Vapor density</b>   | Not available.               |
| <b>Relative density</b>  | Not available.               |
| <b>Density</b>   | 0.75 g/cm <sup>3</sup>       |
| <b>Solubility(ies)</b>   |                              |
| <b>Solubility (water)</b>                                      | Not available.               |
| <b>Partition coefficient (n-octanol/water)</b>                 | Not available.               |
| <b>Auto-ignition temperature</b>                               | Not available.               |
| <b>Decomposition temperature</b>                               | Not available.               |
| <b>Flammability (solid, gas)</b>                               | Not applicable.              |
| <b>Other data</b>  |                              |
| <b>Explosive properties</b>                                    | Not explosive.               |
| <b>Oxidizing properties</b>                                    | Not oxidizing.               |

## SECTION 10 Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Stability</b>                          | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## SECTION 11 Toxicological information

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | May be fatal if swallowed and enters airways.                               |
| <b>Routes of exposure</b>                | Ingestion. Skin contact. Eye contact.                                       |
| <b>Symptoms</b>                          | Aspiration may cause pulmonary edema and pneumonitis. Mild skin irritation. |
| <b>Skin corrosion/irritation</b>         | Causes mild skin irritation.  |
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation.                    |
| <b>Respiratory or skin sensitization</b> |   |
| <b>Respiratory sensitization</b>         | Due to partial or complete lack of data the classification is not possible. |
| <b>Skin sensitizer</b>                   | Due to partial or complete lack of data the classification is not possible. |
| <b>Germ cell mutagenicity</b>            | Due to partial or complete lack of data the classification is not possible. |
| <b>Carcinogenicity</b>                   | Due to partial or complete lack of data the classification is not possible. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY 3 Not classifiable as to carcinogenicity to humans.  
(CAS 64742-48-9)

|   |   |
|---|---|
| <b>Toxic to reproduction</b>                                      | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity following single exposure</b>   | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity following repeated exposure</b> | Due to partial or complete lack of data the classification is not possible. |
| <b>Aspiration hazard</b>  | May be fatal if swallowed and enters airways.                               |
| <b>Chronic effects</b>  | Not available.  |

**SECTION 12 Ecological information**

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | Toxic to aquatic life with long lasting effects.  |
| <b>Persistence and degradability</b> | No data is available on the degradability of any ingredients in the mixture.  |
| <b>Bioaccumulation</b>               | No data available.  |
| <b>Mobility in soil</b>              | No data available for this product.   |
| <b>Other hazardous effects</b>       | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

**SECTION 13 Disposal considerations**

|                                   |  |
|-----------------------------------|--|
| <b>Residual waste</b>             | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>     | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |
| <b>Local disposal regulations</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |

**SECTION 14 Transport information****CNDG**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3295  |
| <b>UN proper shipping name</b>      | HYDROCARBONS, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY)  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 3   |
| <b>Subsidiary hazard</b>            | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | No.   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

**IATA**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3295  |
| <b>UN proper shipping name</b>      | Hydrocarbons, liquid, n.o.s. (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY)  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 3   |
| <b>Subsidiary hazard</b>            | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | No.   |
| <b>ERG Code</b>                     | 3H  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |   |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.  |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.  |

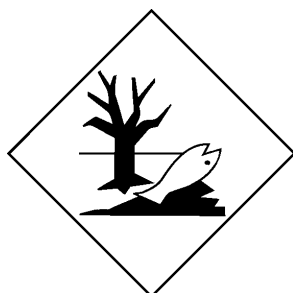
**IMDG**

|                                   |  |
|-----------------------------------|--|
| <b>UN number</b>                  | UN3295   |
| <b>UN proper shipping name</b>    | HYDROCARBONS, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY), MARINE POLLUTANT |
| <b>Transport hazard class(es)</b> |  |
| <b>Class</b>                      | 3  |

|   |   |
|---|---|
| <b>Subsidiary hazard</b>  | -   |
| <b>Packing group</b>  | III   |
| <b>Environmental hazards</b>  |   |
| <b>Marine pollutant</b>   | Yes   |
| <b>EmS</b>  | F-E, S-D  |
| <b>Special precautions for user</b>   | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.  |
| <b>CNDG; IATA; IMDG</b>   |   |



Marine pollutant



General information IMDG Regulated Marine Pollutant.

## SECTION 15 Regulatory information

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Not regulated.

Regulations on the Control over Safety of Dangerous Chemicals

Catalog of Hazardous Chemicals

Solvent naphtha [closed cup flash point  $\leq 60$  .degree.C] (CAS 64742-48-9)

Provision on the Environmental Administration of New Chemical Substances

China Inventory of Existing Chemical Substances

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| China                | Inventory of Existing Chemical Substances in China (IECSC) | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### SPECIAL CASE

Not applicable.

Other regulations

This safety data sheet conforms to the following laws, regulations and standards:  
Measures for the Safe Use of Chemicals in Workplaces  
General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009 )  
Regulations on Labor Protection in Workplaces Where Toxic Products Are Used  
Packing Symbol of Dangerous Goods(GB190-2009)  
Regulations on the Control over Safety of Dangerous Chemicals  
Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008)  
Packing - Pictorial Marking for Handling of Goods (GB/T191-2008)

China. National Catalogue of Hazardous Wastes

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (CAS 64742-48-9)

**Regulatory information****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

**SECTION 16 Other information****References**

EPA: AQUIRE database  
GB6944-2012: Classification and Code of Dangerous Goods.  
GB12268-2012: List of Dangerous Goods.  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents

**Disclaimer**

Nye Lubricants, Inc. A Member of the FUCHS Group cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.