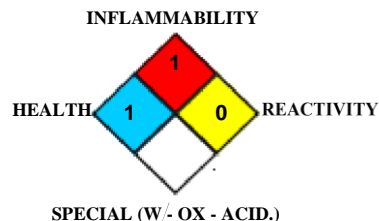




Golden Supreme 2 Cycle Oil TC-W3

NFPA 704



SAFETY DATA SHEET (SDS)

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Name: 2 Cycle Oil TC-W3

Producer: Olein Recovery Corp

Chemical Name:

Commercial Name: Golden Supreme 2 Cycle Oil TC-W3

Emergency Tel.: + 1 800 542 7209
+ 1 787 266 2103

Address: Carretera 901 Km. 2.7 Bo. Camino Nuevo. Yabucoa. Puerto Rico. PR 00767.

Fax:+1 787 893 0224

Web:www.oleinrefinery.com

2. HAZARDS IDENTIFICATION

OSHA/HCS status: The material is considered hazardous according to regulatory guidelines.

Substance/mixture: This product is a mixture

Classification of the substance or mixture: Irritating material

GHS label elements

Hazard pictograms:



Signal word: WARNING!

Hazard statements: Harmful If swallowed.

Precautionary statements:

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

HEALTH RISKS

Eye Contact: May cause irritation to eyes.



- Skin Contact:** May cause irritation to skin.
- Inhalation:** Prolonged exposure or excessive inhalation of vapors may cause headache, nausea, vomiting, dizziness and central nervous system depression. In rare cases may sensitize heart muscle causing heart arrhythmia.
- Ingestion:** Harmful If swallowed. DO NOT INDUCE vomiting. Call a physician immediately.

EFFECTS OF LONG-TERM EXPOSURE (CHRONIC):

Carcinogenesis: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, greater or equal to 0.1%.

Teratogenicity and Embryotoxicity: Not determined

Mutagenesis: Not determined

3. COMPOSITION / INFORMATION OF THE INGREDIENTS

Substance/mixture: This product is a mixture.

<u>Name</u>	<u>CAS number</u>	<u>Weight Percentage Range</u>
Petroleum Solvents	64742-88-7	40 – 50%
Solvent Blue 098	Mixture	10 – 15%

4. FIRST AID

Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

- Inhalation:** If affected, remove to fresh air immediately. If breathing has stopped administer artificial respiration, seek medical attention.
- Ingestion:** Do not induce vomiting, seek medical attention. Guard against aspiration into lungs by having the individual turn on to their left side. If spontaneous vomiting occurs keep head below hips to prevent aspiration of liquid into lungs.
- Eye Contact:** Flush with water for 15 minutes, seek medical attention.



Skin Contact: Clean area exposed with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

Notes to physician: The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. Cardiac arrhythmias have been reported with solvent exposure. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. If the symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

5. FIRE FIGHTING MEASURES

Autoignition Temperature: Not determined.

Flash Point: Cleveland open cup: 120°C (248°F)

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and trace oxides of sulfur and/or nitrogen.

Extinguishing Media:

SMALL FIRE: Use dry chemicals, carbon dioxide, foam, or inert gas (nitrogen). Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces.

LARGE FIRE: Use foam, water fog, or water spray. Water fog and spray are effective in cooling containers and adjacent structures. However, water can cause frothing and/or may not extinguish the fire. Water can be used to cool the external walls of vessels to prevent excessive pressure, auto-ignition or explosion. DO NOT use a solid stream of water directly on the fire as the water may spread the fire to a larger area.

Fire Fighting Instructions: Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Withdraw immediately from the area if there is a rising sound from a venting safety device or discoloration of vessels, tanks, or pipelines.

6. MEASURES IN CASE OF AN ACCIDENTAL SPILL

Personal Precautions: Ventilate area if confined or poorly ventilated.

Spill Management: Avoid contamination and extreme temperatures to minimize product degradation. Empty containers may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources. Consult appropriate federal, state and local authorities before reusing,



reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

Environmental Precautions: Petroleum-based (mineral) lube oils will normally float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment.

Waste Disposal Method: Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

7. HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment. Avoid contact with used product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits and guidelines: This product does not contain any components with OSHA or ACGIH exposure limits.

Engineering Control: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.

Eye/Face protection: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear goggles if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125°F (51°C). Have suitable eye wash water available.



- Hand Protection:** Impervious (viton, nitrile) should be worn when handling this material.
- Respiratory Protection:** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134)
- Body Protection:** Use clean protective clothing if splashing or spraying conditions are present. Protective clothing may include long-sleeve outer garment, apron, or lab coat. If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower. Launder contaminated clothing before reuse or discard. Wear heat protective boots and protective clothing when handling material at elevated temperature.
- General Comments:** Use good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners. Since specific exposure standards/control limits have not been established for this product, the "Oil Mist, Mineral" exposure limits shown below are suggested as minimum control guideline.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Color	Texture	Smell	pH	Boiling Point °C (°F)	Flash Point C.O.C. °C (°F)	Specific Gravity at 60°F	Viscosity 40°C, cSt	Density
Liquid	Blue	Nn/a	Mild petroleum odor	n/a	n/a	120°C (248°F)	0.86 (Water = 1)	33.3	0.8586

10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable.
- Hazardous Decomposition Products:** Thermal decomposition from high temperature or combustion will produce hydrogen sulphide and oxides of carbon, nitrogen, and sulphur.
- Conditions to Avoid:** Keep away from extreme heat, sparks or open flames.



Materials Incompatibility: Strong oxidizing agents.

Hazardous Polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur.

11. TOXICITY INFORMATION

Effects of Acute Exposure: May cause irritation to skin and eyes. Prolonged exposure or excessive inhalation of vapors may cause headache, nausea, vomiting, dizziness and central nervous system depression. In rare cases may sensitize heart muscle causing heart arrhythmia.

Effects of Chronic Exposure: Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in irritation and dermatitis.

Exposure Limits: 5 mg/m³

Reproductive Toxicity: Not established.

Irritancy of Product: Skin and eye irritant.

Carcinogenicity: Not established.

Teratogenicity: Not established.

Mutagenicity: Not established

12. ECOLOGICAL INFORMATION

Ecotoxicity: Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

Environmental Fate: An ecological effect testing has not been conducted on this product. However, plants and animals may experience harmful or fatal effects when coated with petroleum-based products. Petroleum-based (mineral) lube oils will normally float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment.

13. DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

Conditions of use may cause this material to become a "hazardous waste", as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues. Empty drums and pails retain residue. DO NOT pressurize, cut, weld, braze,



solder, drill, grind, or expose this product's empty container to heat, flame, or other ignition sources. DO NOT attempt to clean it. Empty drums and pails should be drained completely, properly bunged or sealed, and promptly sent to a reconditioned.

14. TRANSPORT INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

US DOT	Not regulated by the U.S. Department of Transportation as a hazardous material.
Proper Shipping Name	Not regulated. Non-hazardous liquid
Hazard Class	Not regulated.
Packing Group(s)	Not applicable.
UN/NA Number	Not regulated.
Reportable Quantity	Not applicable.
Placard(s)	No placard necessary.
Emergency Response Guide No.	Not applicable.
MARPOL III Status	Not a DOT "Marine Pollutant" per 49 CFR 171.8.

15. REGULATORY INFORMATION

HCS Classification: Irritating material

TSCA Inventory: This product is in U.S. commerce, and listed in the TSCA Inventory of Chemicals; hence, it may be subject to applicable TSCA provisions and restrictions.

SARA 302/304 Emergency Planning and Notification: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

SARA 313 Toxic Chemical Notification and Release Reporting: This product does not contain greater than 1.0% of any chemical substance of Section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4 as hazardous substance.

SARA 311/312 Hazard Identification: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by



"Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories: Solvent Mixture.

Clean Water Act (CWA): This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

Additional Regulatory Remarks: No additional regulatory remarks.

16. OTHER INFORMATION

ABBREVIATIONS:

USA: Administration (OSHA) Safety and Occupational Health (IARC) International Agency for Research on Cancer (NTP) National Toxicology Program (NFPA) National Association of Fire Protection (NIOSH) National Institute for Occupational Safety and Occupational health (ACGIH) American Conference of Governmental Industrial Hygienists.

Previous review: 04/09/12

DISCLAIMER OF LIABILITY

THE INFORMATION IN THIS MSDS WAS OBTAINED FROM SOURCES WHICH WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED REGARDING ITS CORRECTNESS. SOME INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE SUBSTANCE ITSELF. THIS MSDS WAS PREPARED AND IS TO BE USED ONLY FOR THIS PRODUCT. IF THE PRODUCT IS USED AS A COMPONENT IN ANOTHER PRODUCT, THIS MSDS INFORMATION MAY NOT BE APPLICABLE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION OR PRODUCTS FOR THEIR PARTICULAR PURPOSE.

THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE, AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER

REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.