

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	DECKLUBE
Version #	04
Revision date	August-30-2011
CAS #	Mixture
Product Code	Decklube
Product use	Lubricating Grease
Manufacturer information	Nye Lubricants, Inc. 12 Howland Road Fairhaven, MA 02719 US 508-996-6721 CHEMTREC 1-800-424-9300

2. Hazards Identification

Emergency overview	Thermal decomposition will generate hydrogen fluoride, which is corrosive and can cause burns on contact with skin and other tissue. Inhalation of fumes generated during thermal decomposition may cause polymer fume fever. Prolonged and/or repeated skin contact may result in mild irritation or redness. May be ignited by heat, sparks or flames. Contact with eyes may cause irritation. Health injuries are not known or expected under normal use.
OSHA regulatory status	This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Routes of exposure	Skin contact. Eye contact.
Eyes	Contact with eyes may cause irritation.
Skin	Prolonged and/or repeated skin contact may result in mild irritation or redness.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Target organs	Eyes. Skin.
Potential environmental effects	May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
Skin contact	Wash off with soap and water. Get medical attention if symptoms occur. Wash clothing separately before reuse.
Inhalation	If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	The product is not flammable. No unusual fire or explosion hazards noted.
Extinguishing media	
Suitable extinguishing media	Water Fog. Foam. Carbon dioxide (CO2). Dry chemical.
Unsuitable extinguishing media	Water. Do not use water jet as an extinguisher, as this will spread the fire.

Fire fighting equipment/instructions	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.
Hazardous combustion products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Formaldehyde. Oxides of silicon. Hydrogen fluoride. Carbonyl fluoride.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Observe precautions from other sections.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Prevent entry into waterways, sewers, basements or confined areas.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
Methods for cleaning up	Should not be released into the environment. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Soak up with inert absorbent material. Absorb in vermiculite, dry sand or earth and place into containers. Clean contaminated surface thoroughly. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Handling	Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid prolonged or repeated skin contact with this material. Avoid breathing gas/vapors/mist/fumes. Do not handle or store near an open flame, heat or other sources of ignition. Do not take internally. Do not taste or swallow. Avoid contact with eyes. Wash thoroughly after handling. Avoid release to the environment. Handle and open container with care.
Storage	Keep away from heat and sources of ignition. Store in cool place. Store in a closed container away from incompatible materials. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Exposure guidelines	Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter This material does not have established exposure limits.
Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Personal protective equipment	
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	Wear suitable protective clothing. Wear nitrile, neoprene, PVC or viton gloves.
Respiratory protection	An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if irritation or symptoms are experienced. Respiratory protection must be provided in accordance with 29 CFR 1910.134. No personal respiratory protective equipment normally required.
General hygiene considerations	When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Appearance	Not available.
Form	Liquid. Semi-solid
Color	Light yellow
Odor	Slight

Flash point	Not available.
Other data	
Flash point class	Combustible IIIB
Shelf life	4 years

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions. Stable.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids, alkalies and oxidizing agents. Alkaline metals. Alkaline earth metals. Powdered metals. Halogenated compounds.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Formaldehyde. Oxides of silicon. Ethers. Alcohols. Ketones. Hydrogen fluoride. Carbonyl fluoride.
Possibility of hazardous reactions	Will not occur. Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Product	Test Results
DECKLUBE (Mixture)	Acute Dermal LD50 Rabbit: 2614.31 mg/kg estimated Acute Oral LD50 Rat: 22212.1 mg/kg estimated
Local effects	Inhalation of decomposition products may cause polymer fume fever, a temporary flu-like illness accompanied by fever, chills, and sometimes cough. Refer to Hazards Identification Section for additional information.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.
Further information	This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicological data

Product	Test Results
DECKLUBE (Mixture)	LC50 Fish: 18.7124 mg/l 96.00 hours estimated

* Estimates for product may be based on additional component data not shown.

Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not applicable.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

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Basic shipping requirements:

UN number	UN3082
Proper shipping name	Environmentally hazardous substances, liquid, n.o.s.

Hazard class	9
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Special precautions	DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.
Additional information:	
Special provisions	8, 146, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241
ERG number	171



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15. Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	No
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 0
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 3
Flammability: 0
Instability: 0

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication . The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. Nye Lubricants, Inc. makes no warranty with respect thereto and disclaims all liability with respect thereon. The information in the sheet was written based on the best knowledge and experience currently available.

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This data sheet contains changes from the previous version in section(s): This document has undergone significant changes and should be reviewed in its entirety.