SAFETY DATA SHEET



1. Identification

Product identifierFUCHS TIM GREASE 5100Other means of identificationNone.Recommended uesThermal GreaseRecommended restrictionsNore known.Manufacturer/Importer/Suppler/SupplerNye Lubricants, Inc. A Member of the FUCHS GroupAddress12 Howland Road Fairhaven, MA 02719 USATelephone+1 508 996 6721Emergency telephone+1 866 519 4752Koccess code34212Wowyelubricants.comPhysical hazardsNot classified.Not classified.Hazard symbolNot classified.USASignal wordNot classified.Hazard symbolNot classified.Hazard symbolNone.Hazard statementNone.Fuerding with regulation of the fuctor of classification.PreventionNone.Bignal wordNone.Bignal wordNone.PreventionNone.PreventionNone pool industrial hygiene practices.				
Recommended use Thermal Grease Recommended restrictions None known. Manufacturer/Importer/Supplier/Ustributor information Nee Lubricants, Inc. Company name Nye Lubricants, Inc. Address 12 Howland Road Fairhaven, MA 02719 USA Telephone +1 508 996 6721 E-mail sds@fuchs.com Emergency telephone +1 866 519 4752 number Adcess code Access code 334212 Website www.nyelubricants.com Z. Hazard(s) identification Not classified. Physical hazards Not classified. Label elements Not classified. Hazard symbol None. Signal word None. Precautionary statement The mixture does not meet the criteria for classification.	Product identifier	FUCHS TIM GREASE 5100		
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Precautionary statement	Signal word	None.		
-	Hazard statement	The mixture does not meet the criteria for classification.		
Prevention Observe good industrial hygiene practices.	Precautionary statement			
	Prevention	Observe good industrial hygiene practices.		

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Response	Wash hands after handling.
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None.

Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.

Supplemental information

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ALUMINIUM		7429-90-5	80 - < 90
TITANIUM DIOXIDE		13463-67-7	1 - < 3
Other components below reportable levels			10 - < 20
4. First-aid measure	2S		
nhalation	Move to fresh air. Call a physician if symptom	is develop or persist.	
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.		
Eve contact	Rinse with water. Get medical attention if irritation develops and persists.		

Ingestion	Rinse mouth. Get medical attention if symptoms occur.		
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.		
Indication of immediate medical attention and special treatment needed	Treat symptomatically.		
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.		
5. Fire-fighting measures			
Suitable extinguishing media	Powder. Dry sand.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.		
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.		
General fire hazards	No unusual fire or explosion hazards noted.		
6. Accidental release mea	sures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.		
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.		
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.		

7. Handling and storage

Precautions for safe handling	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage,	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
including any incompatibilities	Storage class (TRGS 510): 13 (Non-combustible solids that cannot be assigned to any of the above storage classes)

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Permissible I Components	Type	Value	Form
ALUMINIUM (CAS 7429-90-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
TITANIUM DIOXIDE (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-3 Permissible I	Exposure Limits (PEL) for Min	eral Dusts (29 CFR 1910.1000))
Components	Туре	Value	Form
ALUMINIUM (CAS 7429-90-5)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.

Components	sible Exposure Limits (PEL) for Minera Type	Value	Form
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Limit	Values (TLV)		
Components	Туре	Value	Form
ALUMINIUM (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
TITANIUM DIOXIDE (CAS 13463-67-7)	TWA	2.5 mg/m3	Respirable finescale particles
		0.2 mg/m3	Respirable nanoscale particles
	rous to Life or Health (IDLH) Values, as		
Components	Туре	Value	
TITANIUM DIOXIDE (CAS 13463-67-7)	IDLH	5000 mg/m3	
US. NIOSH: Pocket Guide to Components	o Chemical Hazards Recommended Ex Type	posure Limits (REL) Value	Form
ALUMINIUM (CAS 7429-90-5)	TWA	5 mg/m3	Welding fume or pyrophoric powder.
		5 mg/m3	Respirable.
		10 mg/m3	Total
logical limit values	No biological exposure limits noted for	the ingredient(s).	
propriate engineering htrols	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.		
ividual protection measures,	, such as personal protective equipme	nt	
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Skin protection Hand protection	Wear appropriate chemical resistant gl	oves.	
Other	Wear suitable protective clothing.		
Respiratory protection	In case of insufficient ventilation, wear	suitable respiratory equipment.	
Thermal hazards	Wear appropriate thermal protective clo	othing, when necessary.	
neral hygiene nsiderations	Always observe good personal hygiene and before eating, drinking, and/or smo equipment to remove contaminants.	e measures, such as washing a oking. Routinely wash work clo	fter handling the material thing and protective

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Solid. Semi-solid
Color	Grey.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.

Initial boiling point and boiling range	Not available.
•	.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	plosive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient	Not available.
(n-octanol/water)	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Shelf life	5 years
Specific gravity	2.2

10. Stability and reactivity

10. Stability and reactivi	ity
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Formaldehyde.

11. Toxicological information

Information on likely routes of e	xposure	
Inhalation	Prolonged inhalation may be harmful.	
Skin contact	No adverse effects due to skin contact are expected.	
Eye contact	Direct contact with eyes may cause temporary irritation.	
Ingestion	Expected to be a low ingestion hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.	
Information on toxicological effe	ects	
Acute toxicity	Not available.	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory or skin sensitization	1	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Material name: FUCHS TIM GREASE	5100	SDS

Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
IARC Monographs. Overall E	Evaluation of Carcinogenicity	
TITANIUM DIOXIDE (CA		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)		
Not listed.		
	ogram (NTP) Report on Carcinogens	
Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	
12. Ecological information	1	

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations		
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from residues / unused products	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).	
Contaminated packaging	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.	

14. Transport information

DOT

Not regulated as dangerous goods.

ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

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.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency relea	ase notification			
Not regulated. OSHA Specifically Regulat	od Substances (20 CER	1010 1001 1053)		
Not listed.	eu Substances (29 CFN	1910.1001-1055)		
Superfund Amendments and R	agutharization Act of 1			
SARA 302 Extremely hazar		500 (SANA)		
Not listed.				
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Aluminum (fume or dust)	7429-90-5	80 - < 90	
Other federal regulations				
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Po	ollutants (HAPs) List		
Not regulated.				
Clean Air Act (CAA) Sectio	n 112(r) Accidental Rel	ease Prevention (40 C	FR 68.130)	
Not regulated.				
Safe Drinking Water Act (SDWA)	Not regulated.			
JS state regulations				
California Proposition 65				
	his product can expose y ause cancer. For more in		DE, which is known to the 65Warnings.ca.gov.	State of California to
California Proposition	65 - CRT: Listed date/C	arcinogenic substanc	e	
TITANIUM DIOXIDI	E (CAS 13463-67-7)	Listed: Septe	mber 2, 2011	
International Inventories				
Country(s) or region	Inventory name			On inventory (yes/no)*
Australia	Australian Inventory o	f Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances	List (DSL)		Yes
Canada	Non-Domestic Substa	nces List (NDSL)		No
China	Inventory of Existing (Chemical Substances in	China (IECSC)	Yes
Europe	European Inventory o	f Existing Commercial C	Chemical	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)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates that all compor	pents of this product comply with the inventory requirements administered by the governing country(s)	

*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).

16. Other information, including date of preparation or last revision

Substances (EINECS)

Issue date	March-17-2025
Revision date	May-29-2025
Version #	02
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.