# SAFETY DATA SHEET



## 1. Identification

1. Identification			
Product identifier	FUCHS TIM EPOXY 813		
Other means of identification	None.		
Recommended use	Epoxy Adhesive		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier	/Distributor information		
Company name	Nye Lubricants, Inc.		
	A Member of the FUCHS Group		
Address	12 Howland Road		
	Fairhaven, MA 02719		
	USA		
Telephone	+1 508 996 6721		
E-mail	sds@fuchs.com		
Emergency telephone number	+1 866 519 4752		
Access code	334212		
Website	www.nyelubricants.com		
2. Hazard(s) identification	l		
Physical hazards	Not classified.		
Health hazards	Skin corrosion/irritation	Category 2	
	Serious eye damage/eye irritation	Category 2	
	Sensitization, skin	Category 1	
OSHA defined hazards	Not classified.		
Label elements			
Signal word	Warning		
Hazard statement	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.		
Precautionary statement			
Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.		
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.		
Storage	Store away from incompatible materials.		

DisposalDispose of contents/container in accordance with local/regional/national/international regulations.Hazard(s) not otherwise<br/>classified (HNOC)None known.

Supplemental information

## 3. Composition/information on ingredients

None.

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%	
ALUMINIUM OXIDE	1344-28-1 60			
REACTION PRODUCT: BISPHENOL-A-(EPICHLORHY N) EPOXY RESIN (NUMBER AVERAGE MOLECULARWEIG <= 700)		25068-38-6	30 - < 40	
CARBON BLACK		1333-86-4	3 - < 5	
Other components below report	able levels		5 - < 10	
4. First-aid measures				
nhalation	Move to fresh air. Call a physician if symptom	s develop or persist.		
Skin contact	Remove contaminated clothing immediately a eczema or other skin disorders: Seek medical contaminated clothing before reuse.			
Eye contact	Immediately flush eyes with plenty of water fo present and easy to do. Continue rinsing. Get			
Ingestion	Rinse mouth. Get medical attention if symptor			
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include vision. Skin irritation. May cause redness and Rash.			
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treasymptoms may be delayed.	at symptomatically. Keep victi	m under observation.	
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.			
5. Fire-fighting measures				
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carb	on dioxide (CO2).		
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	Use water spray to cool unopened containers.			
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. Keep per appropriate protective equipment and clothing or spilled material unless wearing appropriate Local authorities should be advised if significat protection, see section 8 of the SDS.	during clean-up. Do not touc protective clothing. Ensure a	h damaged containers dequate ventilation.	
Methods and materials for	Prevent entry into waterways, sewer, baseme	nts or confined areas.		
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Following product recovery, flush area with water.			
	Small Spills: Clean surface thoroughly to remove residual contamination.			
<b>-</b>	Never return spills to original containers for re		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 breathing dust/fume/gas/mist/vapors/sp Provide adequate ventilation. Wear appropriation industrial hygiene practices.			

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Storage class (TRGS 510): 11 (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.

trols 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 applied to the second se	Components	Туре	Value	Form
CARBON BLACK (CAS   PEL   3.5 mg/m3     1333-86-4]   US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (22 CFR 1910.1000) Components   Form     ALUMINUM OXIDE (CAS   TWA   5 mg/m3   Respirable fraction.     1344-28-1)   15 mg/m3   Total dust.   50 mppof   Respirable fraction.     1344-28-1)   15 mg/m3   Total dust.   50 mppof   Respirable fraction.     CARBON BLACK (CAS   TWA   5 mg/m3   Respirable fraction.     1333-86-4)   15 mppof   Respirable fraction.     US. ACGIH Threshold Limit Values (TLV)   Type   Value   Form     CARBON BLACK (CAS   TWA   3 mg/m3   Inhalable fraction.     US. ACGIH Threshold Limit Values (TLV)   Type   Value   Form     CARBON BLACK (CAS   TWA   3 mg/m3   Inhalable fraction.     US. ACGIH Threshold Limit Values (TLV)   Type   Value   Form     CARBON BLACK (CAS   TWA   3 mg/m3   Inhalable fraction.     US. NOSH. Inmediately Dangerous to Life or Health (IDLH) Values, as amended   Components   Type     Value   CARBON BLACK (CAS   IDLH   1750 mg/m3   Inhalable fraction.     US. NOSH. Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)   Components   Components   Cocupalional E		PEL	5 mg/m3	Respirable fraction.
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<b>Respiratory protection</b> In case of insufficient ventilation, wear suitable respiratory equipment.	-			
	Respiratory protection			
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General hygiene considerations

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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties		
Appearance		
Physical state	Solid.	
Form	Solid. Paste.	
Color	Black.	
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	losive 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 (n-octanol/water)	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Other information		
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
Specific gravity	2.1	
10. Stability and reactivity	/	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.	

-	
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	Acids. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

## Information on likely routes of exposure

Inhalation

No adverse effects due to inhalation are expected.

Skin contact       Causes estim intitution. May cause an allergic skin reaction.         Eye contact       Causes estimations.         Symptoms related to the physical, chemical and vision. Skin triation. May cause redness and pain. May cause an allergic skin reaction.         Dermosting and the server eye inflation. Symptoms may include slinging, tearing, redness, swelling, and blurred vision. Skin triation. May cause and pain. May cause an allergic skin reaction.         Dermosting and the server eye inflation.       Dermosting and the server eye inflation.         Skin corrosion/infration       Causes skin inflation.         Soricus eye damagolyop inflation       Causes skin inflation.         Soricus eye damagolyop inflation       Causes skin inflation.         Skin sensitization       Mot a respiratory sensitizar:         Skin sensitization       Mot a respiratory sensitization         Respiratory sensitization       Mot a respiratory sensitizer.         Skin sensitization       Mot a respiratory sensitizer.         Carcinogenicity       Not dawasifiable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classifiable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classified       Seconded Substances (20 CFR 1910-101163)         Nat lead.       US. Natio				
Ingestion       Expected to be a low ingestion hazard.         Symptoms related to the physical, chemical and toxicological characteristics       Severe eye inflation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin inflation. May cause endress and pain. May cause an allergic skin reaction. Demattils. Rash.         Information on toxicological effects       Acute toxicity       Not available.         Skin corrosion/irritation       Causes serious eye irritation. Sorrous sy of smattization       Not a respiratory sensitization         Respiratory or skin sensitization       Mot a respiratory sensitization       Mot a respiratory sensitization         Respiratory or skin sensitization       Mot a respiratory sensitization       Mot a respiratory sensitization         Germ cell mutagenicity       Not data sensitiable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carleopenicity       Not data sensitiable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         CarREON BLACK (CAS 1333-86-4)       28 Possity carcinogenic to humans.         CARBON BLACK (CAS 1333-86-4)       Kown To Be Human Carcinogen.         CARBON BLACK (CAS 1333-86-4)       Kown To Be Human Carcinogen.         Specific target organ toxicity - repeated abysoure       Not classified.         Specific target organ toxicity - repeated abysosure       Not classified. <td>Skin contact</td> <td>Causes skin irritation. May cause an allergic skin reaction.</td>	Skin contact	Causes skin irritation. May cause an allergic skin reaction.		
Symptoms related to the physical, chemical and brokological characteristics       Symptoms may include stinging, learing, redness, swelling, and blurred vision. Skin trittation. May cause an allergic skin reaction. Dermatits: Resh.         Information on toxicological effects       Acute toxicity       Not available.         Skin corrosion/irritation       Causes skin irritation. May cause an allergic skin reaction.         Serious eye damagoleyey irritation       Causes skin irritation.         Serious eye damagoleyey irritation       Not a respiratory sensitization         Respiratory or skin sensitization       May cause an allergic skin reaction.         Skin sensitization       May cause an allergic skin reaction.         Germ cell mutagenicity       Not arespiratory sensitization of carcinogenicity to humans.         IARC Monographs. Overall Evaluation of Carcinogenicity CARBON BLACK (CAS 1333-86-4)       28 Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed       Not an aspiration hazard.         US. National Toxicology Program (NTP) Report on Carcinogens. CARBON BLACK (CAS 133-86-4)       Known To Be Human Carcinogen. Reproductive toxicity         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified as environmental ly hazardous. However, this does not exclude the possibility that larage or frequent spilis can have a harrhul or damaging ef	Eye contact	Causes serious eye irritation.		
pipyisia, chemical and vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatities Rash. Dermatities Rash. Skin corrosion/irritation Causes askin irritation. Serious eye damageleye irritation Causes serious eye irritation. Serious eye damageleye irritation Respiratory or skin sensitization Causes serious eye irritation. Skin sensitization Not a respiratory sensitizer. Skin sensitization May cause an allergic skin reaction. Skin sensitization May cause at allergic skin reaction. Skin sensitization May cause at allergic skin reaction. Skin sensitization May cause (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000) Science (2000	Ingestion	Expected to be a low ingestion hazard.		
Acute toxicity       Not available.         Skin corrosion/irritation       Causes skin irritation.         Respiratory or skin sensitization       Causes serious eye irritation.         Respiratory or skin sensitization       May cause an allergic skin reaction.         Skin sensitization       May cause an allergic skin reaction.         Germ cell mutagenicity       Not at asvilable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not data available to indicate product or any components present at greater than 0.1% are mutagenicity.         CARBON BLACK (CAS 1333-86-4)       2B Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)       Not listed.         US. National Toxicology Program (NTP) Report on Carcinogens       CARBON BLACK (CAS 1333-86-4)       Known To Be Human Carcinogen.         Specific target organ toxicity       This product is not classified.       Not classified.         Specific target organ toxicity - single exposure       Not classified.       Not classified.         Specific target organ toxicity - possibility that large or frequent splis can have a harmful or damaging effect on the environment.       Not data available.         Ot	physical, chemical and	vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.		
Shin corrosion/initiation       Causes skin irritation.         Serious eye damage/eye       Causes serious eye irritation.         Respiratory or skin sensitization       Mex cause an allergic skin reaction.         Respiratory sensitization       May cause an allergic skin reaction.         Garm cell mutagenicity       No data available to indicate product or any components present at greater than 0.1% are mutagenicity or genotoxic.         Carcinogenicity       No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classifiable as to carcinogenicity to humans.         IARC Monographs. Overall Evaluation of Carcinogenicity       CARBON BLACK (CAS 1333-86-4)       2B Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1063)       Not listed.       Secondary State Sta	Information on toxicological eff	ects		
Serious eye damage/eye       Causes serious eye irritation.         Irritation       Respiratory or skin sensitization       Not a respiratory sensitization         Respiratory or skin sensitization       May cause an allergic skin reaction.         Germ cell mutagenicity       Not classifiable as to carcinogenicity to humans.         Carcinogenicity       Not classifiable as to carcinogenicity to humans.         IARC Monographs. Overall Evaluation of Carcinogenicity       CARBON BLACK (CAS 1333-86-4)         CARBON BLACK (CAS 1333-86-4)       2B Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (20 CFR 1910.1001-1053)       Not listed.         US. National Toxicology Program (NTP) Report on Carcinogens       CARBON BLACK (CAS 1333-86-4)         Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified.         Respiration hazard       Not an aspiration hazard.         12. Ecological information       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.	Acute toxicity	Not available.		
irritation       Respiratory or skin sensitization       Respiratory or skin sensitization       May cause an allergic skin reaction.       Germ cell mutagenicity     No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.       Carcinogenicity     Not classifiable as to carcinogenicity to humans.       IARC Monographs. Overall Evaluation of Carcinogenicity     CARBON BLACK (CAS 1333-86-4)       ZB Possibly carcinogenic to humans.     OSHA Specifically Regulated Substances (20 CFR 1910.1001-1053)       Not listed.     US. National Toxicology Program (NTP) Report on Carcinogens       CARBON BLACK (CAS 1333-86-4)     Known To Be Human Carcinogen.       Reproductive toxicity     This product is not expected to cause reproductive or developmental effects.       Specific target organ toxicity -     Not classified.       single exposure     Specific target organ toxicity -       Aptication hazard     Not an aspiration hazard.       12. Ecological information     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 available on the degradability of any ingredients in the mixture.       Bloaccumulative potential     No othar available.     No othar availab	Skin corrosion/irritation	Causes skin irritation.		
Respiratory sensitization       Not a respiratory sensitizer.         Skin sensitization       May cause an allergic skin reaction.         Germ cell mutagenicity       Not data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classifiable as to carcinogenicity to humans.         IARC Monographs. Overall Evaluation of Carcinogenicity       CARBON BLACK (CAS 1333-86-4)       2B Possibly carcinogenic to humans.         OSHA Specifically Regulated       Substances (29 CFR 1910.1001-1053)       Not listed.         US. National Toxicology Program (NTP) Report on Carcinogens       CARBON BLACK (CAS 1333-86-4)       Known To Be Human Carcinogen.         Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.       Specific target organ toxicity - Not classified.         Specific target organ toxicity - repeated exposure       Not classified.       Schemating.         Specific target organ toxicity - repeated exposure       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 available on the degradability of any ingredients in the mixture.         Bioaccumulative potential       No data available.       Collect and reclaim or dispose in sealed containers at licensed waste disposal site.		Causes serious eye irritation.		
Skin sensitization       May cause an allergic skin reaction.         Germ cell mutagenicity       No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classifiable as to carcinogenicity to humans.         LARC Monographs. Overall Evaluation of Carcinogenicity       ZB Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)       ZB Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)       Not listed.         US. National Toxicology Program (NTP) Report on Carcinogens       CARBON BLACK (CAS 1333-86-4)       Known To Be Human Carcinogen.         Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.       Specific target organ toxicity - Not classified.         Specific target organ toxicity - repeated exposure       Not classified.       Propeated exposure         Aspiration hazard       Not an aspiration hazard.       Presistence and degradability       No data available on the degradability of any ingredients in the mixture.         Bioaccumulative potential       Modata available.       No data available.       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 com	Respiratory or skin sensitization	n		
Germ cell mutagenicity       No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classifiable as to carcinogenicity to humans.         IARC Monographs. Overall Evaluation of Carcinogenicity       ZB Possibly carcinogenic to humans.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)       Not listed.         US. National Toxicology Program (NTP) Report on Carcinogens       Kanown To Be Human Carcinogen.         CARBON BLACK (CAS 1333-86-4)       Known To Be Human Carcinogen.         Specific target organ toxicity - single exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       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 available on the degradability of any ingredients in the mixture.         Bioaccumulative potential       No data available.       Other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.         Jisposal instructions       Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/reginal/international/regulation	Respiratory sensitization	Not a respiratory sensitizer.		
mutagenic or genotoxic.       Carcinogenicity     Not classifiable as to carcinogenicity to humans.       IARC Monographs. Overall Evaluation of Carcinogenicity CARBON BLACK (CAS 1333-86-4)     2B Possibly carcinogenic to humans.       OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed.     2B Possibly carcinogenic to humans.       US. National Toxicology Program (NTP) Report on Carcinogens CARBON BLACK (CAS 1333-86-4)     Known To Be Human Carcinogen.       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 - single exposure     Not classified.       Specific target organ toxicity - single exposure     Not classified.       Specific target organ toxicity - single exposure     Not an aspiration hazard.       12. Ecological information     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.       No data is available.     No data is 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     Dispose in saccordance				
IARC Monographs. Overall Evaluation of Carcinogenicity     2B Possibly carcinogenic to humans.       OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)     Not listed.       US. National Toxicology Program (NTP) Report on Carcinogens     CARBON BLACK (CAS 1333-86-4)     Known To Be Human Carcinogen.       Reproductive toxicity     This product is not expected to cause reproductive or developmental effects.     Specific target organ toxicity - Not classified.       Specific target organ toxicity - repeated exposure     Not classified.     Not classified.       Aspiration hazard     Not an aspiration hazard.     Iteration for 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 available on the degradability of any ingredients in the mixture.       Bioaccumulative potential     No data available.       No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.       Disposal instructions     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       Local disposal regulations     Dispose in accordance with local regulations. Energy of an asafe manner (see: Disposal instructions)		mutagenic or genotoxic.		
CARBON BLACK (CAS 1333-86-4)     2B Possibly carcinogenic to humans.       OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed.     Not listed.       US. National Toxicology Program (NTP) Report on Carcinogens CARBON BLACK (CAS 1333-86-4)     Known To Be Human Carcinogen.       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.       12. Ecological information     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 available on the degradability of any ingredients in the mixture.       Bioaccumulative potential Mobility in soil     No data available.       Other adverse effects     No data available.       Disposal instructions     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       Local disposal regulations     Dispose in accordance with local regulations. Empty containers or liners may retain some products       Maste from residues / unused product     Dispose of in accor	Carcinogenicity	Not classifiable as to carcinogenicity to humans.		
US. National Toxicology Program (NTP) Report on Carcinogens CARBON BLACK (CAS 1333-86-4)     Known To Be Human Carcinogen.       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.       12. Ecological information     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 Bioaccumulative potential     No data is 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     Dispose in accordance with local/regional/national/international 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 in accordance with local regulations.       Local disposal or in a cordance with local regulations.     The waste code should be assigned in discussion between the user, the producer and the waste disposal company.       Waste from residues / unused products<	CARBON BLACK (CAS OSHA Specifically Regulate	1333-86-4)2B Possibly carcinogenic to humans.		
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.       I2. Ecological information     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 date available.       Disposal instructions     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       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 product residues. This material and its container must be disposed of in a safe manner (see: Dispose of in a cordance with local regulations. Empty containers or liners may retain some product should be asingned in discussion between the user, the pro	US. National Toxicology Pro			
Specific target organ toxicity - single exposure     Not classified.       Specific target organ toxicity - repeated exposure     Not classified.       Aspiration hazard     Not an aspiration hazard.       12. Ecological information     Iteration hazard       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     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       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 product seidues. / unused product residues. This material and its container must be disposed of in a safe manner (see: Dispose in instructions).				
single exposure     Not classified.       Specific target organ toxicity - repeated exposure     Not an aspiration hazard.       Aspiration hazard     Not an aspiration hazard.       12. Ecological information     Ecotoxicity       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     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       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 ompany.       Waste from residues / unused products     Dispose of in accordance with local regulations. Empty containers may retain some product residues. This material and its container must be disposed of in	•			
repeated exposure     Aspiration hazard     Not an aspiration hazard.       I2. Ecological information     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.     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.       I3. Disposal considerations     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       Local disposal regulations     Dispose in accordance with all applicable 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).       Waste from residues / unused product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).     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	single exposure			
12. Ecological information       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. No data is available on the degradability of any ingredients in the mixture.       Bioaccumulative potential     No data available on the degradability of any ingredients in the mixture.       Bioaccumulative potential     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     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       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 residue. 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 <td></td> <td>Not classified.</td>		Not classified.		
EcotoxicityThe 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 Bioaccumulative potential Mobility in soilNo data is available on the degradability of any ingredients in the mixture.Bioaccumulative potential Mobility in soilNo data available.Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.13. Disposal considerationsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.Local disposal regulationsDispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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	Aspiration hazard	Not an aspiration hazard.		
possibility that large or frequent spills can have a harmful or damaging effect on the environment.Persistence and degradability Bioaccumulative potential Mobility in soilNo data is available on the degradability of any ingredients in the mixture.Bioaccumulative potential Mobility in soilNo data available.Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.13. Disposal considerationsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.Local disposal regulationsDispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose of in a cordance 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 packagingSince 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	12. Ecological informatio	n		
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     Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.       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 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	Ecotoxicity			
Mobility in soilNo data available.Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. <b>13. Disposal considerations</b> Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Local disposal regulations</b> Dispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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	Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.13. Disposal considerationsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.Local disposal regulationsDispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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	Bioaccumulative potential			
potential, endocrine disruption, global warming potential) are expected from this component. <b>13. Disposal considerations</b> Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Disposal regulations</b> Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. <b>Hazardous waste code</b> Dispose in accordance with all applicable regulations. <b>Waste from residues / unused</b> productsDispose 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 packagingSince 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	Mobility in soil	No data available.		
Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.Local disposal regulationsDispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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	Other adverse effects			
Local disposal regulationsDispose in accordance with all applicable regulations.Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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	13. Disposal consideration	ins		
Hazardous waste codeThe waste code should be assigned in discussion between the user, the producer and the waste disposal company.Waste from residues / unused productsDispose 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 packagingSince 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 instructions			
Waste from residues / unused productsDispose 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 packagingSince 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	Local disposal regulations	Dispose in accordance with all applicable regulations.		
productsproduct residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).Contaminated packagingSince 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				
emptied. Empty containers should be taken to an approved waste handling site for recycling or		product residues. This material and its container must be disposed of in a safe manner (see:		
	Contaminated packaging	emptied. Empty containers should be taken to an approved waste handling site for recycling or		

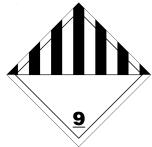
## DOT

Not regulated as dangerous goods.

ΙΑΤΑ

ΙΑΤΑ	
UN number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULARWEIGHT <= 700))
Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Packing group	
Environmental hazards	Yes
ERG Code	9L
Special precautions for user Other information	Read safety instructions, SDS and emergency procedures before handling.
	Allowed with restrictions
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULARWEIGHT <= 700)), MARINE POLLUTANT (REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULARWEIGHT <= 700))
Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

IATA; IMDG



Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant.

## 15. Regulatory information

US federal regulations	This product is a "Ha Standard, 29 CFR 1		efined by the OSHA Haza	ard Communication
Toxic Substances Control	Act (TSCA)			
TSCA Section 12(b) Ex Not regulated.	port Notification (40 C	CFR 707, Subpt. D)		
CERCLA Hazardous Substa Not listed.	ance List (40 CFR 302	.4)		
SARA 304 Emergency relea	se notification			
Not regulated. OSHA Specifically Regulate Not listed.	ed Substances (29 CF	R 1910.1001-1053)		
	authorization Act of			
Superfund Amendments and Re SARA 302 Extremely hazar		1986 (SARA)		
Not listed.				
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Skin corrosion or irri Serious eye damage Respiratory or skin s	e or eye irritation		
SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
Aluminum oxide (fibrous	forms) (Alumina)	1344-28-1	60 - < 70	
Other federal regulations				
Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act	n <b>112(r) Accidental Re</b> Not regulated.	elease Prevention (40 C	FR 68.130)	
(SDWA)				
US state regulations California Proposition 65				
WARNING: Th		you to CARBON BLACK information go to www.Pl	K, which is known to the S 65Warnings.ca.gov.	tate of California to
California Proposition	65 - CRT: Listed date/	Carcinogenic substanc	ce	
CARBON BLACK (C	CAS 1333-86-4)	Listed: Febru	iary 21, 2003	
International Inventories				
Country(s) or region	Inventory name			On inventory (yes/no)
Australia	Australian Inventory	of Industrial Chemicals (	(AICIS)	Yes
Canada	Domestic Substance	es List (DSL)		Yes
Canada	Non-Domestic Subs	tances List (NDSL)		No
China	Inventory of Existing	Chemical Substances in	n China (IECSC)	Yes
Europe	European Inventory Substances (EINEC	of Existing Commercial ( S)	Chemical	No
Europe	European List of No	tified Chemical Substanc	es (ELINCS)	No
Japan	Inventory of Existing	and New Chemical Sub	stances (ENCS)	Yes
Korea	Existing Chemicals	_ist (ECL)		Yes
New Zealand	New Zealand Invent	ory		Yes
Philippines	Philippine Inventory	of Chemicals and Chemi	ical Substances	Yes

Yes

### Country(s) or region

#### Inventory name

#### On inventory (yes/no)\* Yes

United States & Puerto Rico

### co Toxic Substances Control Act (TSCA) Inventory

\*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

Issue date	April-07-2025
Version #	01
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.