

### Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS

**Safety Data Sheet** 

### **SDS ID: 820412 - ENEOS**

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

#### **Material Name**

Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS

# Synonyms

Engine oil; PCMO; Syn Blend

#### **Product Use**

Lubricating oil. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Tor mose product

Restrictions on Use None known.

#### FOR PRODUCT MANUFACTURED IN THE U.S.A.:

#### **SUPPLIER**

JX Nippon Oil & Energy USA Inc. 20 N. Martingale Road Suite 325 Schaumburg, IL 60173

#### **Issue Date**

April 13, 2020 Supersedes Issue Date New Issue SDS

### **Original Issue Date**

April 13, 2020

Phone: 1-847-413-2188 Emergency Phone #: 1-847-413-2188

### Section 2 - HAZARDS IDENTIFICATION

# Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

None needed according to classification criteria.

### **GHS Label Elements**

### Symbol(s)

None needed according to classification criteria.

### Signal Word

None needed according to classification criteria

### Hazard Statement(s)

None needed according to classification criteria.

### **Precautionary Statement(s)**

### Prevention

None needed according to classification criteria.

### Response

None needed according to classification criteria.

### Storage

None needed according to classification criteria.

#### Disposal

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

### Safety Data Sheet Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	81-88
Mixture	Mineral oil	3.8 -9.75
64742-54-7	Distillates, petroleum, hydrotreated heavy paraffinic	2.125-2.975
2215-35-2	Zinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote)	0.425-0.85
64742-65-0	Distillates, petroleum, solvent-dewaxed heavy paraffinic	0.255-0.425

### Section 4 - FIRST AID MEASURES

#### Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention, if needed.

#### Skin

IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if needed.

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

#### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### Most Important Symptoms/Effects

#### Acute

No information on significant adverse effects.

#### Delayed

No information on significant adverse effects.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

### Section 5 - FIRE FIGHTING MEASURES

#### Extinguishing Media

### Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, water fog. Water or foam may cause frothing. **Unsuitable Extinguishing Media** 

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Negligible fire hazard. Avoid friction, static electricity and sparks.

### **Hazardous Combustion Products**

Decomposition and combustion materials may be toxic. Burning may produce oxides of carbon and unidentified organic compounds.

### **Fire Fighting Measures**

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out.

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

### Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

### Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

### Section 7 - HANDLING AND STORAGE

#### **Precautions for Safe Handling**

Keep away from heat, sparks and naked flames. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, shoes.

### Conditions for Safe Storage, Including any Incompatibilities

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition.

#### **Incompatible Materials**

Strong oxidizing materials

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Component Exposure Limits**

Canada and ACGIH have not developed exposure limits for any of this product's components.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### **Engineering Controls**

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

#### **Individual Protection Measures, such as Personal Protective Equipment**

#### **Eye/face protection**

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

### **Respiratory Protection**

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

#### **Skin Protection/Glove Recommendations**

Where skin contact is likely, wear gloves impervious to product; use of natural rubber (latex) or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant face shield, boots, apron, whole body suits or other protective clothing.

### **Protective Materials**

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses. Gloves. Lab coat or apron.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber liquid	Physical State	Liquid
Odor	Not available	Color	Amber
Odor Threshold	Not available	рН	Not available
Melting Point	Not available	<b>Boiling Point</b>	475 °F (246 °C)
<b>Boiling Point Range</b>	Not available	Freezing point	Not available
<b>Evaporation Rate</b>	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	383 °F (195 °C)
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	0.88
Water Solubility	Not available	Partition coefficient: n- octanol/water	Not available
Viscosity	>20.5 mm2/s 40 °C (104 °F )	Kinematic viscosity	Not available
Solubility (Other)	Not available	Density	7.3 lb/gal
Physical Form	liquid	Molecular Weight	Not available
Volatile Organic Compounds (As regulated)	Negligible as per U.S	S. EPA 40 CFR 51.100(s)	

### Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### **Chemical Stability**

Stable under normal temperatures and pressures.

#### **Possibility of Hazardous Reactions**

Will not polymerize.

### **Conditions to Avoid**

Avoid heat, flames, sparks and other sources of ignition

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

#### **Incompatible Materials**

Avoid oxidizing agents.

### Hazardous decomposition products

None under normal temperatures and pressures. See also SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.

### Section 11 - TOXICOLOGICAL INFORMATION

#### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

### **Skin Contact**

May cause skin irritation.

#### **Eye Contact**

May cause eye irritation.

#### Ingestion

May cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Acute and Chronic Toxicity

#### **Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >4480 mg/kg

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

Oral LD50 Rat >15 g/kg (no deaths occurred);Dermal LD50 Rabbit >5000 mg/kg (no deaths occurred )

Zinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote) (2215-35-2)

Oral LD50 Rat 2000 - 5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg

### Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)

Oral LD50 Rat >15000 mg/kg (no deaths occurred); Dermal LD50 Rabbit >5000 mg/kg (no deaths occurred) Inhalation LC50 Rat >2400 mg/m3 4 h (no deaths occurred )

#### Product Toxicity Data Acute Toxicity Estimate

cute	Toxicity	Estimate	

Dermal	> 2000 mg/kg			
Oral	> 2000 mg/kg			

### Immediate Effects

No information on significant adverse effects.

### **Delayed Effects**

No information on significant adverse effects.

#### Irritation/Corrosivity Data

May cause eye irritation. May cause skin irritation.

#### **Respiratory Sensitization**

No information available for the product.

#### **Dermal Sensitization**

No information available for the product.

### **Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

### Germ Cell Mutagenicity

No information available for the product.

### Tumorigenic Data

No data available

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

#### **Reproductive Toxicity**

No information available for the product.

### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

### Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

### Aspiration hazard

No information on significant adverse effects.

### Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

### Additional Data

No additional information is available.

### Section 12 - ECOLOGICAL INFORMATION

#### **Component Analysis - Aquatic Toxicity**

Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID
Zinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote)	2215-35-2
Fish:	LC50 96 h Pimephales promelas >100 mg/L [semi-static ]; LC50 96 h Pimephales promelas 25 - 50 mg/L [static ]
Algae:	EC50 96 h Pseudokirchneriella subcapitata 1 - 5 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 4 - 6 mg/L IUCLID
Distillates, petroleum, solvent-dewaxed heavy paraffinic	64742-65-0
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID

#### Persistence and Degradability

No information available for the product.

#### **Bioaccumulative Potential**

No information available for the product.

#### Mobility

No information available for the product.

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

### Section 13 - DISPOSAL CONSIDERATIONS

#### **Disposal Methods**

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact JX Nippon Oil & Energy USA Inc. regarding proper recycling or disposal.

### Section 14 - TRANSPORT INFORMATION

US DOT Information: Not regulated for transport.

IATA Information: Not regulated for transport.

IMDG Information: Not regulated for transport.

TDG Information: Not regulated for transport.

### International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

### Section 15 - REGULATORY INFORMATION

#### Canada Regulations

### **CEPA - Priority Substances List**

None of this product's components are on the list.

### **Ozone Depleting Substances**

None of this product's components are on the list.

#### Council of Ministers of the Environment - Soil Quality Guidelines

None of this product's components are on the list.

### Council of Ministers of the Environment - Water Quality Guidelines

None of this product's components are on the list.

### **U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### SARA Section 311/312 (40 CFR 370 Subparts B and C) 2016 reporting categories

### Acute Health: No Chronic Health: No Fire: No Pressure: No Reactivity: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Not listed under California Proposition 65.

### **Component Analysis - Inventory**

### Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

US	CA	AU	CN	E	U	JP - ENCS	JP - ISHL		KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	s E	IN	No	No		Yes	No
KR - REACH CCA		A	MX	NZ	РН	TH- TECI	TW	VN (Draft)		
No				Yes	Yes	Yes	No	Yes	Yes	

### Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesEINYesYesYesNoKR - REACH CCAMXNZPHTH- TECITWVN (Draft)NoYesYesYesNoYesYesZinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote) (2215-35-2)USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesEINYesYesYesNoYesDSLYesYesEINYesYesYesNoKR - REACH CCAMXNZPHTH- TECITWVN (Draft)NoYesYesNoYesNoYesUSCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2USCAAUCNYesYesNoYesNoUSCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesIP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesIP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesIP - ENCSJP - ISHLKR KEC	Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)										
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KR - REACH CCAMXNZPHTECIIWVN (Draft)NoYesYesYesYesNoYesYesZinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote) (2215-35-2)USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesEINYesYesYesNoKR - REACH CCAMXNZPHTH- TECITWVN (Draft)NoYesYesNoYesNoDistillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)KR KECI - Annex 1KR KECI - Annex 2USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1VesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoNoYesYesDSLYesYesEINNoYesNo	Yes	DSL	Yes	Yes	s El	IN	Yes	Yes		Yes	No
Zinc O,O,O', O'-tetrakis (1,3-dimethyl) bis (phosphorodithiote) (2215-35-2)     US   CA   AU   CN   EU   JP - ENCS   JP - ISHL   KR KECI - Annex 1   KR KECI - Annex 2     Yes   DSL   Yes   Yes   EIN   Yes   Yes   Yes   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)     No   Yes   Yes   No   Yes   No   Yes   No     Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)     US   CA   AU   CN   EU   JP - ENCS   JP - ISHL   KR KECI - Annex 1   KR KECI - Annex 2     Yes   DSL   Yes   Yes   EIN   No   No   Yes   No     Yes   DSL   Yes   EIN   No   No   Yes   No   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)   KR KECI - Annex 1   No	KR - REACH CCA			MX	NZ	РН			VN (Draft)		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	No				Yes	Yes	Yes	No	Yes	Yes	
US   CA   AU   CN   EU   ENCS   JP - ISHL   Annex 1   Annex 2     Yes   DSL   Yes   Yes   EIN   Yes   Yes   Yes   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)     No   Ves   Yes   No   Yes   Yes   No     Dstillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)   US   CA   AU   CN   EU   JP - ENCS   JP - ISHL   KR KECI - Annex 1   KR KECI - Annex 2     Yes   DSL   Yes   Yes   EIN   No   No   Yes   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)   KR KECI - Annex 2     Yes   DSL   Yes   Yes   EIN   No   No   Yes   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)	Zinc C	),0,0',	O'-tet	traki	is (1,3	8-dime	ethyl) bis (pl	hosphorodi	thiote)	) (2215-35-2)	
KR - REACH CCAMXNZPHTH- TECITWVN (Draft)NoVesYesNoYesNoDistillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesEINNoNoYesNoKR - REACH CCAMXNZPHTH- TECITWVN (Draft)	US	CA AU C		CN	I E	U		JP - ISHL			
KR - REACH CCAMXNZPHTECITWVN (Draft)NoYesYesNoYesNoDistillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)USCAAUCNEUJP - ENCSJP - ISHLKR KECI - Annex 1KR KECI - Annex 2YesDSLYesYesEINNoNoYesNoKR - REACH CCAMXNZPHTH- TECITWVN (Draft)	Yes	DSL	Yes	Yes	s El	IN	Yes	Yes		Yes	No
Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)     US   CA   AU   CN   EU   JP - ENCS   JP - ISHL   KR KECI - Annex 1   KR KECI - Annex 2     Yes   DSL   Yes   Yes   EIN   No   No   Yes   No     KR - REACH CCA   MX   NZ   PH   TH- TECI   TW   VN (Draft)	KR - REACH CCA M			MX	NZ	РН		TW	VN (Draft)		
US CA AU CN EU JP - ENCS JP - ISHL KR KECI - Annex 1 KR KECI - Annex 2   Yes DSL Yes Yes EIN No No Yes No   KR - REACH CCA MX NZ PH TH- TECI TW VN (Draft)	No				No	Yes	Yes	No	Yes	No	
US CA AU CN EU ENCS JP - ISHL Annex 1 Annex 2   Yes DSL Yes Yes EIN No No Yes No   KR - REACH CCA MX NZ PH TH- TECI TW VN (Draft)	Distill	ates, pe	troleu	m, s	olven	t-dew	axed heavy	paraffinic (	64742	-65-0)	
KR - REACH CCA MX NZ PH TH- TECI TW VN (Draft)	US	CA	AU	CN E		U		JP - ISHL			
KR - REACH CCA MX NZ PH TECI TW VN (Draft)	Yes	DSL	Yes	Yes	s El	IN	No	No		Yes	No
No Yes Yes No Yes Yes	KR - REACH CCA MX			NZ	РН		TW	VN (Draft)			
	No Yes				Yes	Yes	Yes	No	Yes	Yes	

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)

### Section 16 - OTHER INFORMATION

### **NFPA Ratings**

Health: 1 Fire: 1 Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### **Summary of Changes**

New Issue SDS.

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA -California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC -European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances); F -

### Safety Data Sheet Material Name: ENEOS SUPER Synthetic Blend High Mileage 5W-30/10W-30, SN PLUS SDS ID: 820412-ENEOS

Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG -International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID -International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts<sup>TM</sup> - ChemADVISOR's Regulatory Database; MAK -Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne-Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc -Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG -Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

### **Other Information**

### Disclaimer:

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, JX Nippon Oil & Energy USA Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.