

Material Safety Data Sheet

Product	Kixx Gear EP S 320		
List No.	Issuing date	Last revised date	Department
LB3070	2012-11-30	2018-01-01	Finished Lubricants R&D Team

1. Identification of the substance/mixture and of the company/undertaking

1) Product identifier

- Kixx Gear EP S 320

2) Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified uses : (Lubricants and additives)
- Uses advised against : Do not use for any other purpose.

3) Supplier information

Manufacturer information

- Company name : GS Caltex Corporation
[Manufacture]
- Address : GS Tower, 508, Nonhyeon-ro, Gangnam-gu, Seoul, Korea
- Emergency telephone number : 1899-5145

2. HAZARD IDENTIFICATION

1) Hazard classification

- Not applicable

2) Allocation label elements

Hazard pictograms

- Not applicable

Signal word

- Not applicable

Hazard statements

- Not applicable

Precautionary statements

1) Prevention

- Not applicable

2) Response

- Not applicable

3) Storage

- Not applicable

4) Disposal

- Not applicable

3) Other hazards

○ Product NFPA Level : Health , Flammability , Reactivity

(※ 0-Lack, 1-Low, 2-Moderate, 3-High, 4-Very High)

※ Chemical NFPA Level.

- 1-Decene, homopolymer, hydrogenated : Health=1, Flammable=1, Reaction=0
- Fatty acids, (C=8-10), triesters with trimethylolpropane : Health=0, Flammable=0, Reaction=0
- Trilauryl phosphite : Health=0, Flammable=0, Reaction=0
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Health=0, Flammable=1, Reaction=0
- Business Secret1 : Health=0, Flammable=3, Reaction=0

3. Composition/Information on ingredients

Chemical name	Trade names and Synonyms	CAS No.	EC No.	Contain Ratio(%)
1-Decene, homopolymer, hydrogenated		68037-01-4	500-183-1	85 ~ 94
Fatty acids, (C=8-10), triesters with trimethylolpropane		91050-89-4	293-036-3	5 ~ 15
Trilauryl phosphite		3076-63-9	221-356-5	0 ~ 1
N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene		68411-46-1	270-128-1	0 ~ 1
Business Secret1				4 ~ 8

4. FIRST AID MEASURES

1) Following eye contact

- In case of contact with material, immediately flush eyes with running water for at least 15 minutes.
- Get medical aid immediately.

2) Following skin contact

- In case of contact with material, immediately flush skin with running water for at least 15 minutes.
- Remove and isolate contaminated clothing and shoes.
- Launder contaminated clothing and shoes before re-use.
- Get medical aid immediately.

3) Following inhalation

- Move to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Seek immediate medical assistance.

4) Following ingestion

- If unconscious but breathing, never give anything by mouth.
- Get medical aid immediately.

5) Advice to physician

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

- Do not apply drugs of the adrenaline ephedrine group.

5. FIRE FIGHTING MEASURES

1) Suitable (and unsuitable) extinguishing media

○ Suitable extinguishing media

- Small fire: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO₂ (Suitable extinguishing media).
- Large fire: Water spray/fog, regular foam (Suitable extinguishing media).

○ Unsuitable extinguishing media

- High-pressure water (Unsuitable extinguishing media).

2) Special hazards arising from the substance or mixture

- May ignited from heat, friction or contamination.
- Containers may explode when heated.
- Some may burn but none ignite readily.
- Fire may produce irritating and/or toxic gases.
- May cause toxic effects if inhaled.
- Some liquids produce vapors that may cause dizziness or suffocation.

3) Special protective equipment for firefighters

- Move containers from fire area if you can do it without risk.
- Substance may be transported hot.
- Runoff may cause pollution.
- Contact may cause burns to skin and eyes.
- Dike fire-control water for later disposal; do not scatter the material.
- Move containers from fire area if you can do it without risk.
- Fire involving Tanks: Cool containers with flooding quantities of water until well after fire is out.
- Fire involving Tanks: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Fire involving Tanks: ALWAYS stay away from tanks engulfed in fire.

6. ACCIDENTAL RELEASE MEASURES

1) Health considerations and protective equipment

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Stop leak if you can do it without risk.
- Please note that materials and conditions to be avoided.
- Ventilate the contaminated area.
- Do not touch or walk through spilled material.
- Prevent dust cloud.
- Do not enter areas which have more than 23.5% oxygen in the atmosphere, without respirator or air supplied mask.

2) Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

3) For cleaning up

- Small Spill: Flush area with flooding quantities of water.

- Small Spill: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
- Large Spill: Dike far ahead of liquid spill for later disposal.
- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.
- Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

7. HANDLING AND STORAGE

1) Precautions for safe handling

- Please note that materials and conditions to be avoided.
- Wash ... thoroughly after handling.
- Handling refer to engineering control/personal protection section.
- CAUTION: High temperature.
- CAUTION: This material does not contain oxygen and may cause asphyxia if released in a confined area.
- High concentration of this gas will create an oxygen-deficient atmosphere, creating the risk of asphyxiation. Check oxygen content before entering area.
- CAUTION: Vapors displace air and can cause asphyxiation in confined spaces if released material.
- CAUTION: Can be reach toxic concentration quickly in air if released.
- Do not spray. Can be reach toxic concentration quickly in air if sprayed.
- Keep under 20°C. This material evaporate slowly at 20°C and reach toxic concentration.
- Do not spray. This material does not easily evaporated. But can be reach toxic concentration quickly in air if sprayed.
- Check oxygen content before entering area.
- Do not spray. Can be evaporate quickly if sprayed.
- Use adequate machine for prevention when package handling.
- Avoid any skin and eye contact when insert undiluted solution. Wash ... thoroughly after handling.
- Caution: Dangerous fire hazard when exposed to heat, or flame, sparks.
- Wear an appropriate Personal protection. (See Exposure Controls/Personal Protection section.)

2) Conditions for safe storage (including any incompatibilities)

- Store in a dry place. Store in a closed container.
- Please note that materials and conditions to be avoided.
- Store containers: AVOID the place where can be damage and contamination.
- Store in a cool/low-temperature, well-ventilated {dry} place {away from heat and ignition sources}
- Choose a place that can be protected from strong oxidizers and acid.
- Drum Handling: Must work at safe place., Loading more than 3 stack is prohibited.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

1) Chemical exposure limits, Biological exposure standard

○ Occupational exposure limits (Domestic)

- 1-Decene, homopolymer, hydrogenated : TWA Not applicable, STEL Not applicable
- Fatty acids, (C=8-10), triesters with trimethylolpropane : TWA Not applicable, STEL Not applicable
- Trilauryl phosphite : TWA Not applicable, STEL Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : TWA Not applicable, STEL Not applicable
- Business Secret1 : TWA Not applicable, STEL Not applicable

○ **Occupational exposure limits (ACGIH)**

- 1-Decene, homopolymer, hydrogenated : TWA Not applicable, STEL Not applicable
- Fatty acids, (C=8-10), triesters with trimethylolpropane : TWA Not applicable, STEL Not applicable
- Trilauryl phosphite : TWA Not applicable, STEL Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : TWA Not applicable, STEL Not applicable
- Business Secret2 : TWA Not applicable, STEL Not applicable

○ **Biological limit values**

- 1-Decene, homopolymer, hydrogenated : Not applicable
- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Trilauryl phosphite : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- Business Secret3 : Not applicable

2) Appropriate engineering controls

- Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

3) Personal protection equipment

○ **Respiratory protection**

- If high frequency of use or exposure, wear air respirator.
- Wear breathing protection, which needs a confirmation from the Korea Occupational Safety and Health Agency.

○ **Eye protection**

- Wear suitable protective goggles and face shields.
- Wear face shield to protect eyes from scattering dust or hazardous liquid.
- Wear Non-moisture permeable goggle for dust protection.
- Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

○ **Hand protection**

- Wear insulated gloves.
- Wear Non-moisture permeable chemical resistance protective gloves(latex, nitrile rubber, PVC) for prevent skin contact.

○ **Body protection**

- When contact is likely wear chemical resistant, oil and grease resistant, non-moisture permeable shoes and clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Item	Input Value
Appearance	Clear, light yellow liquid
Smell	a specific smell of Hydrocarbon
Smell Threshold	No Data
pH	No Data
Melting/Freezing Point	No Data
Boiling Point	330~500
Flash Point	246

Evaporating Rate	No Data
Flammability	No Data
Explosibility Range	No Data
Steam Pressure	<0.1
Solubility	No Data
Vapor Density	No Data
Specific Gravity	No Data
Distribution Coefficient	No Data
Selfignition Temperature	>260
Pyrolysis Temperature	No Data
Viscosity	320
Molecular Weight	No Data

10. STABILITY AND REACTIVITY

1) Stability and hazardous reactivity

- Stable under normal temperatures and pressures.
- Containers may explode when heated.
- Some may burn but none ignite readily.
- Fire may produce irritating and/or toxic gases.
- May cause toxic effects if inhaled.
- Some liquids produce vapors that may cause dizziness or suffocation.

2) Conditions to avoid

- Ignition source(heat, spark, flame, etc.).

3) Incompatible materials

- Combustibles.
- Irritating and/or toxic gas.

4) Hazardous decomposition products

- Not available

11. TOXICOLOGICAL INFORMATION

1) Exposure route information

Inhalation

- After inhalation: No data

Skin Contact

- Following skin contact: No data

Eye Contact

- After eye contact: No data

Ingestion

- After ingestion: No data

2) Health hazard information

○ **Acute toxicity**

* **Oral - PRODUCT : Not applicable (ATEMix > 2,000 mg/kg)**

- 1-Decene, homopolymer, hydrogenated : LD50 > 5,000 mg/kg Rat
- Fatty acids, (C=8-10), triesters with trimethylolpropane : LD50 2000 mg/kg (Rat, OECD Guideline 401)
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : LD50 >5000 mg/kg Species : Rat (bw OECD401)
- Business Secret1 : No data

* **Dermal - PRODUCT : Not applicable (ATEMix > 2,000 mg/kg)**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : LD50 >2000 mg/kg
- Business Secret1 : No data

* **Inhalation(Gas) - PRODUCT : Not applicable**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

* **Inhalation(Vapour) - PRODUCT : No data**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

* **Inhalation(Dust, mist) - PRODUCT : No data**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ **Skin corrosion/Irritation**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : Rabbit, non-irritating (OECD TG 404)
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not sensitising (Guinea pig, maximization test; OECD 406 GLP)
- Business Secret1 : No data

○ **Serious eye damage/irritation**

- 1-Decene, homopolymer, hydrogenated : non-irritating

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Rabbit, non-irritating (OECD TG 405)
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ **Respiratory sensitization**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ **Skin sensitization**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ **Carcinogenicity**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ **Germ cell mutagenicity**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : in vitro Bacterial Reverse Mutation Assay (e.g. Ames test); negative (OECD TG 471, GLP)
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : In Vitro - Bacterial reverse mutation test : negative (HPVIS), In vivo - Chromosome aberration test (Mouse Bone marrow cell) : negative
- Business Secret1 : No data

○ **Reproductive toxicity**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Treatment-related effects on reproduction were observed at 600 mg/kg/day. These were confined to an increase in pre-implantation losses, resulting in lower offspring numbers at this dose level. NOAEL(
- Business Secret1 : No data

○ **Specific target organ toxicity (single exposure)**

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data

- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ Specific target organ toxicity (repeated exposure)

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : The hepatic changes observed were regarded as adaptive in nature. The NOEL for systemic toxicity was therefore considered to be 5 mg/kg/day. (Rat both M/F; Oral Gavage 43-54d; OECD 422 GLP read across)
- Business Secret1 : No data

○ Aspiration hazard

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : Viscosity 19.4 mm²/s(40 °C) C30H56O6
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

12. ECOLOGICAL INFORMATION

1) Aquatic toxicity

○ Fish

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : LC50 10000 mg/l 96 hr Brachydanio rerio(OECD TG 203)
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : LC50 > 100 mg/L 96h (Danio rerio; OECD TG 203)
- Business Secret1 : No data

○ Crustacean

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : EC50=51 mg/l 48 hr Daphnia magna(OECD 202)
- Business Secret1 : No data

○ Aquatic algae

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : ErC50 > 100 mg/l 72 hr Desmodesmus subspicatus (OECD TG 201)
- Business Secret1 : No data

2) Persistence and degradation

○ Persistence

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : 15.48 log Kow (estimated)
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : 7.05 log Kow (>6 (HPVIS))
- Business Secret1 : No data

○ Degradation

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

○ biodegradation

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : 78 (%) 28 day (OECD TG 301 F, GLP)
- Trilauryl phosphite : not readily biodegradable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : 9 (%) 28 day (read across 68442-68-2)
- Business Secret1 : No data

3) Bioaccumulative potential

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : 3.16 (estimated)
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : 12520 (estimated)
- Business Secret1 : No data

4) Mobility in soil

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : 10000000000 (Can be adsorbed on soil.; estimated)
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : 60460 (estimated)
- Business Secret1 : No data

5) Hazard to the ozone layer

- 1-Decene, homopolymer, hydrogenated : Not applicable
- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Trilauryl phosphite : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- Business Secret1 : Not applicable

6) Other adverse effects

- 1-Decene, homopolymer, hydrogenated : No data
- Fatty acids, (C=8-10), triesters with trimethylolpropane : No data
- Trilauryl phosphite : No data

- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : No data
- Business Secret1 : No data

13. DISPOSAL CONSIDERATIONS

1) Disposal methods

- Every commercial waste producer shall either treat wastes generated from his/her place of business by him/herself or commission the treatment of such wastes to a person who has license for a waste treatment business under Article 26(3), a person who recycles of such wastes under Article 44(2), a person who has installed and operates a waste disposal facility under Article 4 or 5, a person who has completed the registration of a business of discharging wastes into the sea under Article 18 of the Marine Environment Management Act.

2) Precautions (including disposal of contaminated container of package)

- Wear an appropriate Personal protection. (See Exposure Controls/Personal Protection section.)
- Do not allow spill material to enter sewers, storm water drains, soil, etc.
- Empty containers recycled under environmental laws.
- Empty containers may rupture when pressured.
- Empty containers may explode and residues can be ignited when pressured, cut, weld, heated.

14. TRANSPORT INFORMATION

1) UN No.

- Not applicable

2) Proper shipping name

- Not applicable

3) Class or division

- Not applicable

4) Packing group

- Not applicable

5) Marine pollutant

- Not applicable

6) Special safety response for transportation or transportation measure

- Types of Emergency Measures in Case of Fire : Not applicable
- Types of Emergency Measures in Leakage : Not applicable
- This product is not regulated for carriage according to ADR/RID, ADN, IMDG, ICAO/IATA.

15. REGULATORY INFORMATION

1) Occupational Safety and Health Act in Korea - PRODUCT :

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

2) Toxic Chemical Control Act in Korea - PRODUCT :

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Existing Commercial Chemical Substances

- Business Secret : Existing Commercial Chemical Substances
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Existing Commercial Chemical Substances
- 1-Decene, homopolymer, hydrogenated : Existing Commercial Chemical Substances
- Trilauryl phosphite : Existing Commercial Chemical Substances

3) Safety Control of Dangerous Substances Act in Korea - PRODUCT :

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

4) Wastes Control Act in Korea - PRODUCT : 지정 폐기물

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5) Other regulations in KOREA and Abroad regulations

○ U.S.A. management information(OSHA regulation)

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

○ U.S.A. management information(CERCLA regulation)

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

○ EU Classification (CLASSIFICATION)

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

○ EU Classification (Risk Phrases)

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable
- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

○ EU Classification (Safety Phrases)

- Fatty acids, (C=8-10), triesters with trimethylolpropane : Not applicable
- Business Secret : Not applicable

- N-Phenylbenzenamine reaction products with 2,4,4-trimethylpentene : Not applicable
- 1-Decene, homopolymer, hydrogenated : Not applicable
- Trilauryl phosphite : Not applicable

16. OTHER INFORMATION

1) Reference

- The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.
- This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS

2) Print date

- 2012-11-30

3) Revision date

- Number of revised
 - 4
- Date of last revision
 - 2018-01-01
- Last Revision History
 - No revision information

4) Other

- 이 정보는 근로자 건강, 환경, 안전을 보호하고자, 현재 가용할 수 있는 DB를 근거로 하여 작성하였음.