

1. 化学产品与公司相关信息

A. 产品名称：PL3（高速用润滑脂）

B. 产品的建议用途和使用限制

雇佣劳动部告示用途分类体系

21.02 - 润滑脂

产品的建议用途：润滑油、润滑脂与离型剂

产品的使用限制：仅限专业用户。

C. 供应商信息

供应处

公司名称：楷迅(上海)润滑科技有限公司

地址：上海市闵行区吴宝路 255 号力国大厦 2 楼 218 室

电话：+86 21-6221-8211

2. 有害性·危险性

A. 有害性·危险性分类

未按雇佣劳动部公告第 2020-130 号进行分类

B. 含预防措施语的警告标识项目

象形图 (GHS KR)：不适用

信号语 (GHS KR)：不适用

有害危险语句 (GHS KR)：不适用

预防措施语句 (GHS KR)：不适用

C. 有害性·危险性分类标准之外的其他有害性·危险性

不适用

3. 组成成分的名称及含量

产品形态：混合物

化学物质名称	惯用名及异名	产品识别码	含量 (%)
Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.]	溶剂-精制的重环烷蒸馏 (石油)	CAS 编号：64741-96-4 现有化学物质编号：KE-12611	10 - 19
Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.]	加氢处理的重石蜡馏出物 (石油)	CAS 编号：64742-54-7 现有化学物质编号：KE-12546	55 - 60
Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400° C (752° F).]	加氢处理的渣油 (石油) / 加氢处理的石油, 渣油	CAS 编号：64742-57-0 现有化学物质编号：KE-30119	10 - 15
Lithium 12-hydroxystearate	Lithium 12-hydroxystearate / Stearate, 12-hydroxy-, monolithium / 12-Hydroxystearic acid, lithium salt / Octadecanoic acid, 12-hydroxy-, lithium salt (1:1) / Lithium hydroxy-12 stearate / lithium hydroxystearate	CAS 编号：7620-77-1 现有化学物质编号：KE-20761	5 - 10
12-羟基硬脂酸, 钙盐 (12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT...	Calcium(2+) 12-hydroxyoctadecanoate / Octadecanoate, 12-hydroxy-, calcium / Calcium bis(12-hydroxyoctadecanoate) / Calcium hydroxystearate / Calcium bis(12-hydroxystearate) / calcium bis(12-hydroxystearate)	CAS 编号：3159-62-4 现有化学物质编号：2000-3-1472	0.1 - 5
Distillates (petroleum), hydrotreated heavy naphthenic	深度加氢处理的重环烷蒸馏 (石油)	CAS 编号：64742-52-5 现有化学物质编号：KE-12543	0.1 - 5
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate)	Phosphorodithioate, 0,0-bis(2-ethylhexyl), zinc / Phosphorodithioic acid, 0,0-bis(2-ethylhexyl) ester, zinc salt / Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) / Zinc, dithiophosphate bis(2-ethylhexyl) /	CAS 编号：4259-15-8 现有化学物质编号：KE-28657	0.1 - 5

	Zinc, bis[0,0-bis(2-ethylhexyl) phosphorodithioato-.kappa.S,.kappa.S']-, (T-4)- / Zinc bis[0,0-bis(2-ethylhexyl) bis(dithiophosphate) / Phosphorodithioic acid, 0,0-bis(2-ethylhexyl)ester, zinc salt / Zinc, bis[0,0-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4) / Phosphorodithioic acid 0,0-bis(2-ethylhexyl) ester, zinc salt / (T-4)- Bis[0,0-bis(2-ethylhexyl) phosphorodithioato-.kappa.a.S,.kappa.S']zinc / zinc di(2-ethylhexyl) dithiophosphate / Zinc di(2-ethylhexyl) dithiophosphate		
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4. 应急措施要领

A. 若不慎入眼

请按照注意事项用水冲洗眼睛。

B. 若接触皮肤

请用大量的水清洗皮肤。

C. 若不慎吸入

请转移到有新鲜空气的地方，保持方便呼吸的姿势，放松身体。

D. 若不慎食入

如果感到不舒服，请接受医疗机构或医生的诊断。

E. 其他医生的注意事项

请根据症状进行治疗。

5. 爆炸、火灾应对方法

A. 合适（及不合适）灭火介质

- 合适的灭火介质：水喷雾、干粉、泡沫。
- 不合适的灭火介质：请勿使用强烈的水势。

B. 化学物质产生的特定有害性

- 火灾危险：无火灾危险。
- 爆炸危险：无直接爆炸危险。

C. 镇压火灾时需佩戴的防护具及预防措施

- 消防指南：在安全距离内的保护区灭火。

请不要在没有呼吸防护具等适当防护装备下进入火灾区。

- 镇压火灾时的防护：请不要在没有适当防护装备的情况下采取措施。

自给式呼吸防护具

全身防护服。

6. 泄漏事故应对方法

A. 保护人体需要的应对措施及防护具

佩戴建议的个人防护装备。

请为泄漏地区通风换气。

请不要在没有适当防护装备的情况下采取措施。

有关更多信息，请参见第 8 项（防泄漏及个人防护具）。

请让不必要的人员回避。

固体和固体残留物请在许可的设施中处置。

B. 保护环境需要的应对措施

请勿排放到环境中。

C. 净化或清除方法

使用干净的铲子将物料放入干燥容器中，并在非压缩状态下覆盖。

请利用装置回收。

7. 操作及存储方法

A. 安全操作要领

- 安全操作要领：请检查车间的通风情况是否良好。

请佩戴个人防护具。

- 卫生措施：使用该产品时，请勿食用、饮用或吸烟。

使用产品后请务必洗手。

- 操作时可能出现的额外危险：一般使用条件下不认为存在危害。

B. 安全储存方法

化学品安全技术说明书 (Material Safety Data Sheet)

○ 技术性措施：请置于阴凉通风处，避免受热。

○ 保管条件：请放在通风情况良好的地方保管。

请保持低温。

○ 包装材料：产品需始终保存在与原包装相同材质的包装容器中。

8. 防泄漏及个人防护具

A. 化学物质的泄漏标准、生物学泄漏标准等

PL3

无资料。

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

无资料。

Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

无资料。

Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 ° C (752 ° F).] (64742-57-0)

无资料。

Lithium 12-hydroxystearate (7620-77-1)

无资料。

12-羟基硬酯酸，钙盐(12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT... (3159-62-4)

无资料。

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

无资料

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

자료없음

B. 适当的工程学管理

- 适当的工程学管理：请检查车间的通风情况是否良好。
- 环境泄漏管理：请勿排放到环境中。

C. 个人防护具

- 个人防护具：佩戴建议的个人防护装备。
- 呼吸系统防护：通风情况不好时，请佩戴适当的呼吸防护装备。
- 眼部防护：护目镜
- 手部防护：安全手套
- 身体防护：请穿戴适当的防护服
- 身体防护装备符号



9. 理化特性

- | | |
|------------------|-----------|
| A. 外观： | ： 半固态 |
| - 物理状态 | ： 固体 |
| - 颜色 | ： 褐色 |
| B. 气味 | ： 产品特有的气味 |
| C. 气味阈值 | ： 无资料 |
| D. pH | ： 无资料 |
| E. 熔点/凝固点 | ： 无资料/不适用 |
| F. 初沸点与沸点范围 | ： 无资料 |
| G. 燃点 | ： 不适用 |
| H. 蒸发速度 | ： 无资料 |
| I. 易燃性（固体、气体） | ： 非易燃性。 |
| J. 引燃或爆炸范围的上限/下限 | ： 不适用 |

化学品安全技术说明书 (Material Safety Data Sheet)

K. 蒸气压	: 无资料
L. 溶解度	: 不溶性
M. 蒸汽密度	: 无资料
N. 比重	: 约 0.89 @ 20 °C
O. n辛醇/水分配系数	: 无资料
P. 自燃温度	: 不适用
Q. 分解温度	: 无资料
R. 粘度 (动粘度)	: 不适用
- 粘度 (力学粘度)	: 无资料
S. 分子量	: 无资料

10. 稳定性及反应性

A. 化学稳定性及有害反应可能性

该产品在正常使用、贮运条件下无反应性。

正常条件下很稳定。

正常使用条件下无危险反应。

B. 需避开的条件

无推荐保管及使用条件相关条款 (见第 7 部分)。

C. 需要避开的物质

无资料

D. 分解时产生的有害物质

正常的保管及使用条件下, 不会产生有害的分解产物。

11. 毒性相关信息

A. 可能性高的接触途径信息

经口	: 未分类
通过皮肤和眼睛接触	: 急性毒性 (经皮) - 未分类。
吸入	: 急性毒性 (吸入)

化学品安全技术说明书 (Material Safety Data Sheet)

B. 健康有害性

- 急性毒性 (经口) : 未分类
- 急性毒性 (经皮) : 未分类
- 急性毒性 (吸入) :

PL3	
ATE KR(经口)	27598.732 mg/kg bodyweight
ATE KR(经皮)	31210.986 mg/kg bodyweight
ATE KR(粉尘、喷雾)	6.55 mg/l/4h

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

LD50 大鼠经口	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 经口	>
LC50 大鼠 - 吸入 (粉尘/喷雾)	2.18 mg/l Source: IUCLID

Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

LD50 大鼠经口	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 兔子经皮	> 5000 mg/kg Source: IUCLID

Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 ° C (752 ° F).] (64742-57-0)

LD50 大鼠经口	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 兔子经皮	> 5000 mg/kg Source: ECHA
LD50 经皮	≥
LC50 大鼠 - 吸入 (粉尘/喷雾)	> 2.18 mg/l Source: ECHA
LC50 大鼠 - 吸入 (蒸汽)	> mg/l/4h

Lithium 12-hydroxystearate (7620-77-1)

化学品安全技术说明书 (Material Safety Data Sheet)

LD50 大鼠经口	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity – Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity – Fixed Dose Procedure)
LD50 大鼠经皮	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

12-羟基硬脂酸, 钙盐 (12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT... (3159-62-4)

LD50 大鼠经口	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity – Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity – Fixed Dose Procedure)
LD50 大鼠经皮	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Remarks on results: other:

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LD50 大鼠经口	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 兔子经皮	2000 mg/kg Source: IUCLID
LC50 大鼠 - 吸入 (粉尘/喷雾)	5.53 mg/l Source: ECHA

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

LD50 大鼠经口	3100 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1800 – 5100
LD50 经口	≥
LD50 兔子经皮	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

- 皮肤腐蚀性或刺激性
未分类
- 严重损害眼睛或刺激性
未分类
- 呼吸过敏性
未分类
- 皮肤过敏性
未分类
- 致癌性
未分类
- 生殖细胞变异原性
未分类

化学品安全技术说明书 (Material Safety Data Sheet)

○ 生殖毒性

未分类

○ 特异性靶器官系统毒性 (1 次接触)

未分类

○ 特异性靶器官系统毒性 (反复接触)

未分类

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

LOAEL (大鼠经口, 90 天)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (大鼠经口, 90 天)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

LOAEL (大鼠经口, 90 天)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (大鼠吸入, 粉尘/喷雾/烟, 90 天)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 ° C (752 ° F).] (64742-57-0)

LOAEL (大鼠经口, 90 天)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEL (大鼠/兔子, 经皮, 90 天)	≥ mg/kg bodyweight/day
LOAEC (大鼠吸入, 粉尘/喷雾/烟, 90 天)	>
NOAEL (大鼠/兔子, 经皮, 90 天)	1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEC (大鼠吸入, 粉尘/喷雾/烟, 90 天)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LOAEL (大鼠经口, 90 天)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (大鼠/兔子, 经皮, 90 天)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEC (大鼠吸入, 粉尘/喷雾/烟, 90 天)	> 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

化学品安全技术说明书 (Material Safety Data Sheet)

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

NOAEL (大鼠经口, 90天)	125 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
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○ 吸入有害性

未分类

PL3	
粘度 (动粘度)	不适用

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

粘度 (动粘度) (计算值) (40 ° C)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'
密度	0.81 - 0.97 g/cm ³ Type: 'density' Temp.: 15 ° C
粘度 (动粘度)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'

Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

粘度 (动粘度) (计算值) (40 ° C)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'
密度	0.81 - 0.97 g/cm ³ Type: 'density' Temp.: 15 ° C
粘度 (动粘度)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'

Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 ° C (752 ° F).] (64742-57-0)

粘度 (动粘度) (计算值) (40 ° C)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'
密度	0.81 - 0.97 g/cm ³ Type: 'bulk density' Temp.: 15 ° C
粘度 (动粘度)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s' 'mm ² /s'

Lithium 12-hydroxystearate (7620-77-1)

粘度 (动粘度) (计算值) (40 ° C)	不适用
密度	不适用
粘度 (动粘度)	不适用

12-羟基硬酯酸, 钙盐(12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT... (3159-62-4)

粘度 (动粘度) (计算值) (40 ° C)	해당없음
密度	해당없음

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

粘度 (动粘度) (计算值) (40 ° C)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s'
密度	0.81 - 0.97 g/cm ³ Type: 'density' Temp.: 15 ° C
粘度 (动粘度)	1.99 - 847 mm ² /s Temp.: '40° C' Parameter: 'mm ² /s'

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

粘度 (动粘度) (计算值) (40 ° C)	131.6 mm ² /s (40 ° C, ASTM D445: Capillary viscometer)
密度	1.07 g/ml Type: 'density' Temp.: 15,6 ° C
粘度 (动粘度)	131.6 mm ² /s (40 ° C, ASTM D445: Capillary viscometer)

12. 对环境的影响
A. 生态毒性

生态学 - 普通	: 该产品不会对水生生物造成危害, 也不会对环境造成长期不利影响。
对水环境有害, 短期 (急性)	: 未分类
对水环境有害, 长期 (慢性)	: 未分类

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID
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Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

LC50 - 其他水生生物 [1]	≤
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Lithium 12-hydroxystearate (7620-77-1)

n 辛醇/水分配系数 (Log Pow)	2.6 Source: Quantitative Structure Activity Relation
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化学品安全技术说明书 (Material Safety Data Sheet)

12- 羟基硬酯酸, 钙盐 (12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT... (3159-62-4)

EC50 - 甲壳类 [2]	≥
EC50 - 其他水生生物 [1]	≥
EC50 - 其他水生生物 [2]	>
EC50 72 小时 - 藻类 [1]	> mg/l

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

LC50 - 鱼类 [1]	> 5000 mg/l Source: IUCLID
EC50 - 甲壳类 [1]	> 1000 mg/l Source: IUCLID
EC50 96 시간 - 藻类 [1]	> 1000 mg/l Source: IUCLID
n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

EC50 72 小时 - 藻类 [1]	> mg/l
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B. 残留性及分解性

PL3

持久性和降解性	不会很快分解
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Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

持久性和降解性	不会很快分解
---------	--------

Distillates (petroleum), hydrotreated heavy paraffinic [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100° F (19cSt at 40° C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

持久性和降解性	不会很快分解
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Residual oils (petroleum), hydrotreated; Baseoil- unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 ° C (752 ° F).] (64742-57-0)

持久性和降解性	不会很快分解
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Lithium 12-hydroxystearate (7620-77-1)

持久性和降解性	不会很快分解
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化学品安全技术说明书 (Material Safety Data Sheet)

12-羟基硬酯酸, 钙盐 (12-HYDROXYOCTADECANOIC ACID, CALCIUM SALT... (3159-62-4)

持久性和降解性	不会很快分解
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Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

持久性和降解性	不会很快分解
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Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

持久性和降解性	不会很快分解
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C. 生物浓缩性

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID
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Lithium 12-hydroxystearate (7620-77-1)

n 辛醇/水分配系数 (Log Pow)	2.6 Source: Quantitative Structure Activity Relation
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Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID
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Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

生物浓缩性	Low potential for bioaccumulation (Log Kow < 4).
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D. 土壤移动性

Distillates (petroleum), solvent-refined heavy naphthenic [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100° F (19cSt at 40° C). It contains relatively few normal paraffins.] (64741-96-4)

n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID
----------------------	------------------------

Lithium 12-hydroxystearate (7620-77-1)

n 辛醇/水分配系数 (Log Pow)	2.6 Source: Quantitative Structure Activity Relation
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Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

n 辛醇/水分配系数 (Log Pow)	3.9 - 6 Source: IUCLID
----------------------	------------------------

Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)

化学品安全技术说明书 (Material Safety Data Sheet)

表面张力	63.7 mN/m (21 ° C, 1.25 g/l, OECD 115: Surface Tension of Aqueous Solutions)
生态学 - 土壤	Low potential for adsorption in soil.

E. 其他有害影响

臭氧层有害性	: 未分类
其他有害影响	: 无资料

13. 废弃注意事项

A. 废弃方法

区域废弃物规定	: 请务必按照法律规定进行销毁。
폐기물 처리법	: 请按照获准的回收企业的分类指南, 废弃内容物/容器。

B. 废弃注意事项 (包含被污染的容器及包装的废弃方法)

产品/包装废弃建议	: 遵守固体废弃物处理相关规定。 请务必按照法律规定进行销毁
污水处理建议	: 请务必按照法律规定进行销毁
附加信息	: 请勿重复使用空容器。

14. 운송에 필요한 정보

遵循 UN RTDG / ADR / IMDG / IATA

UN RTDG	ADR	IMDG	IATA
가. 联合国编号 (UN No.)			
不适用	不适用	不适用	不适用
나. 联合国正确运输名			
不适用	不适用	不适用	不适用
다. 运输危险性等级			
不适用	不适用	不适用	不适用
라. 容器等级			
不适用	不适用	不适用	不适用
마. 海洋污染物质			

不适用	不适用	不适用	不适用
无资料			

叶. 用户需了解的运输或运输手段以及需要的特别安全对策

无资料

15. 法规信息

A. 依照产业安全保健法的管制

禁止制造物质	: 不适用
许可对象物质	: 不适用
泄漏标准设定物质	: 不适用
允许标准设定物质	: 不适用
操作环境测量对象物质	: 不适用
特殊健康检查对象物质	: 不适用
管理对象有害化学物质	: 适用
	4259-15-8: 锌及其化合物 (含1%以上)
工程安全报告书提交对象物质	: 适用
	PL3

B. 依照化学物质管理法的管制

有毒物质	: 不适用
违禁物质	: 不适用
限制物质	: 不适用
应对事故物质	: 不适用
化学物质排放量调查对象化学物质	: 不适用

C. 依照化学物质的登记及评价等相关法律法规的管制

现有化学物质名录 (KECI)	: 适用
	64741-96-4: Distillates, petroleum, solvent-refined heavy naphthenic
	(现有化学物质编号: KE-12611)
	64742-54-7: Distillates (petroleum), hydrotreated

heavy paraffinic

(现有化学物质编号: KE-12546)

64742-57-0: Residual oils (petroleum), hydrotreated

(现有化学物质编号: KE-30119)

7620-77-1: 12-Hydroxyoctadecanoic acid monolithium salt ; Lithium 12-hydroxystearate

(现有化学物质编号: KE-20761)

3159-62-4: Calcium(2+) 12-hydroxyoctadecanoate

(现有化学物质编号 : 2000-3-1472)

64742-52-5: Distillates (petroleum), hydrotreated heavy naphthenic

(现有化学物质编号: KE-12543)

4259-15-8: Phosphorodithioic acid 0,0-bis(2-ethylhexyl) ester, zinc salt

(现有化学物质编号: KE-28657)

登记对象 现有化学物质 : 不适用

重点管理物质 : 不适用

CMR 物质 : 不适用

D. 依照危险物安全管理法的管制

危险物安全管理法 : 适用

64742-54-7: RENOLIN(95%)

(第4类易燃液体 - 第4石油类 (指定数量: 6,000升))

E. 依照废弃物管理法的管制

指定废弃物中含有的有害物质 : 不适用

废弃物种类 : 指定废弃物

F. 其他依照国内及外国法律的管制

国内

残留性有机污染物质管理法 : 不适用

保护臭氧层的特定物质 : 不适用

国际

- EU 管制信息

EU 候选列表 (SVHC)	: 不含登记在REACH候选列表中的物质
EU authorization 列表 (REACH Annex XIV)	: REACH 附录 XIV (未含登记在获准列表中的物质) (REACH Annex XIV)
EU restriction 列表 (REACH Annex XVII)	: 适用

- 美国管制信息

CERCLA 103 规定	: 不适用
EPCRA 302 规定	: 不适用
EPCRA 304 规定	: 不适用
EPCRA 313 规定	: 不适用

16. 其他参考事项

A. 资料来源:

- (1)产业灾害预防安全管理公社
- (2)消防防灾厅危险物信息系统
- (3)国立环境科学院化学物质信息系统
- (4) ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- (5)ESIS(European chemical Substances Information System)
- (6)ICSCs(International Chemical Safety Cards)
- (7)IUCLID(International Uniform Chemical Information Database)
- (8) Corporate Solution From Thomson Micromedex(<http://csi.micromedex.com>)
- (9) TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)
- (10) The Chemical Database, The Department of Chemistry at the University of Akron
(<http://ull.chemistry.uakron.edu/erd>)
- (11) Grease Raw material manufacturer's information : PSDS(PRODUCT SAFETY DATA SHEET) Data

B. 最初制定日期: 2013.07.01 (GHS MSDS 最初修改标准)

C. 修改次数及最终修改日期: 修改次数 04 次

最终修改日期 : 2024.08.30

D.其他

该 MSDS

制作时基于本公司的专业资料及最新信息等,提供的化学物质的有害、危害性分类结果按照引用的参考资料发生差异。此外,改资料并非保证品质,请作为对物质安全的参考资料使用。详细内容请咨询本公司。本公司 MSDS 可使收到该产品的使用者熟知注意事项后使用。此外,不能以销售及租赁等盈利目的而使用。