

# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME : DIACREATIVE  
HIGH POWER EP GREASE No.2 16Kg 400g

MANUFACTURER COMPANY NAME : Shindia Creative Co.,LTD  
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DATE REVISED : 20/05/2014

## 2 OVERVIEW OF HAZARDOUS PROPERTIES

### Hazards Category

#### PHYSICAL HAZARDS

Explosives : Not classified  
Flammable gases : Not classified  
Flammable aerosols : Not classified  
Oxidizing gases : Not classified  
Gasses under pressure : Not classified  
Flammable liquids : Not classified  
Flammable solids : Not classified  
Self-reactive substances : Not classified  
Pyrophoric liquids : Not classified  
Pyrophoric solids : Not classified  
Self-heating substances : Not classified  
Substances which, in contact with water, emit flammable gases : Not classified  
Oxidizing liquids : Not classified  
Oxidizing solids : Not classified  
Organic peroxides : Not classified  
Corrosive to metals : Not classified

#### HEALTH HAZARDS

Acute toxicity (oral) : Not applicable  
Acute toxicity (dermal) : Not applicable  
Acute toxicity (gas inhalation) : Not applicable  
Acute toxicity (steam inhalation) : Not applicable  
Acute toxicity (dust and mists inhalation) : Category 4  
(Symbol; Exclamation mark, Signal word: Warning)  
Skin corrosion/Irritation : Category 3  
(Symbol; Exclamation mark, Signal word: Warning)  
Eye damage/Irritation : Category 2B  
(Symbol; Exclamation mark, Signal word: Warning)  
Sensitization Respiratory : Category 1  
Skin : Category 1  
(Symbol; Exclamation mark, Signal word: Warning)  
Sensitization : Not applicable  
Germ cell mutagenicity : Category 2B  
(Symbol; Health hazard, Signal word: Warning)  
Carcinogenicity : Not applicable  
Toxic to Reproduction : Not classified  
Specific target organ toxicity (single exposure) : Category 2 (lungs)  
(Symbol; Health hazard, Signal word: Warning)  
Specific target organ toxicity (repeated exposure) : Category 1 (lungs)  
(Symbol; Health hazard, Signal word: Warning)  
Aspiration hazard : Not classified

#### ENVIRONMENT HAZARDS

Hazards to the aquatic environment – Acute hazard : Not classified  
Hazards to the aquatic environment – long – term hazard : Not classified

#### GHS Label summary

Symbol :



Signal Word :

Warning

**Hazard Statement** : Harmful if inhaled  
 Causes mild skin irritation  
 Causes eye irritation  
 May cause an allergic skin reacton  
 Suspected of causing genetic defects  
 May cause damage to organs (lungs)  
 Causes damage to organs(lungs)through prolonged or repeated exposure

**Precautionary statements**  
**Prevention** : Obtain special instructions before use. (MSDS etc.)  
 Do not handle until all safety precautions have been read and understood.  
 Use only outdoors or in a well-ventilated area.  
 Wash hand thoroughly after handling.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Wear protective gloves.  
 Use personal protective equipment as required.  
 Do not breathe mist/vapours.  
 Do not eat,drink or smoke when using this product.

**Response** : **IF INHALED** : Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**IF IN EYES** : Rinse cautiously with water for several minutes. Remove contact lenses,if present and easy to do, continue rinsing.  
**If eye irritation persists** : Get medical advice/attention.  
**IF ON SKIN(or hair)** : Wash with plenty of soap and water.  
**if skin irritation or rash occurs** : Get medical advice/attention.  
**Wash contaminated clothing before reuse.**  
**IF exposed or concerned** : Get medical advice/attention.  
**Get medical advice/attention if you feel unwell.**  
**INGESTION** : Do not induce vomiting,bur rether see a physician  
**if medical advice is needed, have product container or label at hand.**

**Storage** : Store locked up.  
 Store out of reach of children.

**Disposal** : Comply with the latest regulations, acts, and laws of the institutions, region or countries where the contents or containers will be used.

**3 COMPOSITION, INGREDIENTS**

Single or composite product : Composite product  
 Chemical or general name : Grease  
 Application : Lubricating oil  
 Ingredients and content : Mineral oil 90 ~ 95 %

CHEMICAL NAME	CAS No.	% (W/W)
mineral oil	64742-54-7	79 ~ 85 %
thickner(lithium soap)	7620-77-1,38900-29-7	13 ~ 19 %
Additive for lubricant properties	68411-46-1,128-37-0	20 ~ 25 %
Chlorinated Paraffin	85049-26-9	1 ~ 2 %

a chemical formula : Not applicable  
 ENCS No. : Not applicable  
 PRTR : Not applicable  
 RoHS/ELV : Not classified  
 REACH SVH 161

28/10/2008	chemical substanc	15	: Not classified
13/01/2010	chemical substanc	12	: Not classified
30/03/2010	chemical substanc	1	: Not classified
18/06/2010	chemical substanc	8	: Not classified
15/12/2010	chemical substanc	8	: Not classified
20/06/2011	chemical substanc	7	: Not classified
19/12/2011	chemical substanc	20	: Not classified
18/06/2012	chemical substanc	13	: Not classified
19/12/2012	chemical substanc	54	: Not classified
19/06/2013	chemical substanc	6	: Not classified
16/12/2013	chemical substanc	7	: Not classified
16/06/2014	chemical substanc	4	: Not classified
17/12/2014	chemical substanc	6	: Not classified

**4 FIRST AID MEASURES**

**Skin (or hair) contact** : Immediately remove any contaminated clothing and wash skin with copious amounts of water and soap. Wash contaminated clothing if reusing.

**Eye contact** : Carefully wash for several minutes with clean water. Then, remove contact lenses if readily removable. Continue to wash and then see a physician to

Inhalation	:	Move to an area with fresh air, and enable deep breathing in a posture conducive to breathing. Wrap body with a blanket, etc. to maintain temperature and remain still. See a physician for treatment if needed. If breathing has stopped or is weak, loosen clothing and perform artificial respiration, after ensuring that the wind passage is clear.
Ingestion	:	Do not induce vomiting, but rather see a physician. Rinse with water thoroughly if inside of mouth is contaminated.
Anticipated acute symptoms, late-onset symptoms, and most important	:	If accidentally swallowed, the lining of the stomach may be irritated causing vomiting. If the swallowed substance is substance inhaled into the lungs while vomiting, it will cause chemical pneumonia and may be fatal.
Protection for first-aid workers	:	No useful information.
Specific comments to physicians	:	No useful information.
<b>5 FIRE-FIGHTING MEASURES</b>		
Extinguishing mediums	:	A mist of pressurized liquid, power, carbon gas or foam is effective. For initial flames, use power or carbon gas for extinguishing mediums. For large-scale fires, use foam extinguishers and seal air off.
Prohibited extinguishing mediums	:	Hosing water on the fire will increase the fire and is dangerous.
Hazards specific to fire-fighting	:	If product touches high temperature metals, it may burn or explode due to the vapors. Carbon monoxide and sulfurous gases are produced if burnt.
Specific fire-fighting methods	:	Remove flammable items from fire source. Cool nearby surrounding equipment with water. Prohibit entry of non-pertinent personnel from fire area.
Protective gear for fire-fighters	:	Be sure to fight the fire from upwind and wear protective gear. If contact with skin is anticipated, be sure to wear impenetrable protective gear and Those fighting the fire should wear such protective gear as respiratory apparatus and protect themselves from oxygen depletion and toxic gases.
<b>6 LEAKAGE MEASURES</b>		
Precautions against bodily harm, protective gear and first-aid measures	:	Prepare equipment for fire extinguishing. Wear protective gear against fire while taking care of the task.
Precautions against environmental harm	:	Take precautions to prevent drainage into the sewage system and natural waterways to prevent a secondary disaster or environmental If disaster is on the seas, for safety reasons, the expansion of the oil fence from the oil fence expansion ship should only be done to the extent that vapors do not reach the ship. If the dangerous area must be approached, ascertain the dispersion conditions of the vapors (wind direction, wind speed and gas concentration levels, etc.) to secure your safety. If using chemicals, they must be that which complies with the technological
Methods and tools for collection, neutralization, sealing, and clean-up	:	This product vaporizes easily. Quickly remove all flammable sources and stop the leaking area. Evacuate persons from the hazardous area. Cordon off hazardous area with ropes to prevent entry by people. If leakage is minimal, absorb the product using soil, sand, sawdust or rags, etc. to collect it. If there is large volume of leakage, after preventing its outflow by mounding dirt around the product, cover the liquid surface with foam and
Prevention of a secondary disaster	:	As a proactive measure and to prevent the enlarging of the leakage accident, quickly notify the pertinent authorities. Quickly remove surrounding flammable sources and prepare extinguishing a
<b>7 HANDLING AND STORAGE MEASURES</b>		
Handling	:	Technological measures
	:	Avoid contact with heat, sparks, smoke, high temperature objects, as well as avoiding unnecessary dispersion of vapors. No smoking. Take countermeasures against static electricity by wearing work clothes and shoes, etc. that are conductive. If there is the possibility of the product coming in contact with the skin or eyes, wear protective gear. Do not eat. When repairing or machinery or equipment, etc. , conduct the task after totally sequestering the equipment to a safe place. If a mist arises, wear respirators so as to prevent inhalation. Always seal closed any containers.
Precautionary measures	:	Vapors from petroleum products are heavier than air, so will collect in areas. Care must be taken to ensure ventilation and possible fires. Ensure ample ventilation when product is handled indoors.
Safe handling measures	:	Handle product at normal temperatures, at which time, take precautions against moisture or dirt from getting into the product.
Storage conditions	:	Store in a cool, well ventilated area avoiding direct sunlight. Avoid heat, sparks, fire and accumulation of electrostatic energy.

- Suitable technological countermeasures : Electrical equipment used in the storage must be explosion-proof type and be grounded.
- Precautionary matters : Avoid the product's contact with halogens, strong acids, alkalines and oxidizing agents. Do not store product in same place as these.
- Container packaging materials : Do not allow pressure to be applied to the product containers. Do not weld, heat, open holes in, or sever the containers. This may cause an explosion that may ignite a run-off

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Facilities : If the product is misting up, seal off the source of the mist or provide ventilation  
: Provide facilities for eye-washing and body washing near the area where the product is being handled.
- Protective gear
  - Respiratory gear : Although not normally necessary, use gas masks(for organic gas) if needed.
  - Hand protection gear : If long term or repeated contact with product is necessary, wear oil-proof items.
  - Eye protection gear : When there are airborne droplets, wear standard eye goggles.
  - Skin and body protection gear : If handling long term or getting wet is required,wear oil-resistant long sleeved work clothes.
- Appropriate hygiene measures : Remove wet clothing and wash completely before re-wearing.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

- Form
- Color : Semi-solid
- Odor : Brownish-yellow
- Boiling point : Slight odor
- Congealing point : No data
- Degradation temperature : No data
- Ignition point : No data
- Flash point : No data
- Explosion characteristic : More than 200 degrees Celsius (SETA)
- Explosion parameters : The explosion parameters for the base oil are estimated to be as follows.
- Vapor density : Upper limit : 7% Lower limit : 1%
- Density : No data
- Solubility : Approximately 0.88-0.94g/cm<sup>3</sup>
- Octanol-water partition coefficient : Solubility in water : Not soluble
- Other data : No data
- Consistency :  
: More than 170 degrees Celsius

## 10 STABILITY AND REACTIVITY

- Chemical Stability : If the room temperature (in other words it is not the solar direct ray of less than 40°C ), it is thought that it is stable.
- Hazardous reaction probability : Avoid contact with strong acids.
- Conditions to avoid : Take precautions to avoid contact with halogens, strong acids, alkalines and oxidizing agents.  
Insufficient inhibitor, incompatibles, heat, flame and ignition sources.  
A place getting the direct rays of the sun and the place that become more than 40 degrees Celsius
- Hazardous products of degradation : If burned, smoke, carbon monoxide, and sulfurous gases are produced.
- Other : No useful information at this time.

## 11 TOXICOLOGICAL INFORMATION

- ACUTE TOXICITY : ORAL : The results from the calculations using the bridging principle were LD50 2000mg/kg and higher. Thus, classified as extra-category.
- DERMAL : The results from the calculations using the bridging principle were LD50 2000mg/kg and higher. Thus, classified as extra-category.
- STEM : No useful information.
- MIST : The results from the calculations using the bridging principle were LD50 2.2mg/L . Thus, classified as Category 4.
- SKIN CORROSION/IRRITATION : Due to the fact that 10% or more of a substance that is Category 3 is contained in this product, it is classified as Category 3.
- EYE DAMAGE/IRRITATION : Due to the fact that 10% or more of a substance that is Category 2B is contained in this product, it is classified as Category 2B.
- SENSITIZATION-RESPIRATORY : Contains a substance that is outside the category. Thus,classified as extra-category
- SENSITIZATION-SKIN : Due to the fact that 0.1% or more of a substance that is Category 1 is contained in this product, it is classified as Category 1.
- GERM CELL MUTAGENICITY : Due to the fact that 10% or more of a substance that is Category 3 is contained in this product, it is classified as Category 4.
- CARCINOGENICITY : Contained a substance that is outside the category. Thus,classified as extra-category.
- TOXIC TO REPRODUCTION : Contained a substance that is outside the category. Thus,classified as extra-category.

SPECIFIC TARGET ORGAN : Due to the fact that 1% or more of a substance that is Category 3(lungs) is contained in this product, it is classified as Category 3(lungs).  
 TOXICITY(SINGLE EXPOSURE) : Contains a substance that is outside the category. Thus,classified as extra-ca  
 SPECIFIC TARGET ORGAN :  
 TOXICITY(REPEATED EXPOSURE) :  
 ASPIRATION HAZARD : Contained 10% or more hydrocarbon, but does not qualify as a compound that has a kinematic coefficient of viscosity that is 20.5mm<sup>2</sup>/s or less when measured at 40°C, which is the measurement standard for the hazardous

**12 ENVIRONMENTAL EFFECTS**

HAZARDOUS TO THE AQUATIC ENVIRONMENT ACUTE HAZARD : The calculation results for the concentration levels of the compound were a maximum of 10%. Because this is 25% or lower than the category regulations, the product is classified as extra-category.  
 HAZARDOUS TO THE AQUATIC ENVIRONMENT-LONG-TERM : The calculation results for the concentration levels of the compound were a maximum of 10%. Because this is 25% or lower than the category regulations, the product is classified as extra-category.  
 Persistence/biodegradation : No useful information at this time  
 Transference in soil : No useful information at this time

**13 DISPOSAL CONSIDERATIONS**

The ingredients and containers must comply with the latest regulations, acts, and laws of the institutions, regions and countries in which the product is used.  
 No dumping of this product.  
 If disposing of this product by landfill, an incineration system must be installed, and the product first incinerated. Then the standard for the burnt residue must be confirmed to be under the stipulated standards for the landfill dump site.  
 When incinerating, burn in a location that is safe, and in such a manner that there is no concern for causing other damage or harm from any burning or explosions. Also, post a watchperson over the incineration process.

**14 TRANSPORT CONSIDERATIONS**

International regulation :  
 U.N.No. : Not applicable  
 Product name : Not applicable  
 U.N. classification : Does not fall under the U.N. classification standards.  
 Container classification : Not applicable  
 Marine contaminant : Not applicable  
 Specific safety measures and conditions for transportation : When transporting, avoid direct sunlight, and load so as to avoid rupturing the containers, degradation or leaks, as well as the load collapsing. Comply with the regulations, acts, and laws of the institutions, region, and country in which the product is used.

**15 APPLICABLE LAWS AND REGULATIONS**

Comply with the regulations, acts, and laws of the institutions, region, and country in which the product is used.

**16 MISCELLANEOUS INFORMATION**

The product safety data sheet is to provide the workers handling the product reference information in order to ensure safe handling of hazardous chemical products.  
 We ask that the workers handling the product will use this as reference and take it upon themselves to use the product after understanding that is necessary to take suitable measures that correspond to each individual handling  
 Thus, this data sheet in itself is not a guarantee of safety.

Before using the product, study not only the dangerous and hazardous properties, but investigate the latest regulations, acts, and laws of the institutions, region, and country in which the product will be used.