

## SAFETY DATA SHEET

Sequence No.:GG-104E

Date prepared: DEC., 15, 1997

Updating :MAY., 22, 2012

**1. PRODUCT AND COMPANY IDENTIFICATION****(A) PRODUCT IDENTIFICATION**PRODUCT NAME : EU-1**(B) COMPANY IDENTIFICATION**COMPANY NAME : NTN CorporationADDRESS : 1-3-17, Kyoumachibori, Nishi-ku, Osaka, JapanDEPARTMENT IN CHARGE : NTN Powder Metal Co., Ltd Engineering DepartmentTELEPHONE NUMBER : 0567(95)3913 (JAPAN)FAX. NUMBER : 0567(95)6160 (JAPAN)EMERGENCY TELEPHONE NO. : 0567(95)3913 (JAPAN)**2. HAZARD IDENTIFICATION**SPECIFIC HAZARDS : N/A**3. COMPOSITION / INFORMATION ON INGREDIENTS**SUBSTANCE OR PREPARATION : PreparationCHEMICAL NATURE·COMPONENTS Amount(%)Synthetic oil >90Additives <10COMM. CHEMICAL OR GENERIC NAME : Liquid greaseCAS No. : ConfidentialINFORMATION ON THE U.S. TSCA : RegisteredINFORMATION ON THE EU EINECS / ELINCS : AssignedUnited Nations Number : Not applicablePRTR law \* : Not applicable

(\*Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management)

**4. FIRST-AID MEASURES**SKIN CONTACT : Wash with soap and water.EYE CONTACT : Wash eyes with water for at least 15minutes. Call a physician.INGESTION : Please don't vomit forcibly. Please undergo the doctor's diagnosis promptly.INHALATION : Move to the place of fresh air. Keep it warm, and it is kept by the rest.

When breathing stopped, Secure the respiratory tract,  
and please practice artificial respiration.

**5. FIRE-FIGHTING MEASURES**SUITABLE EXTINGUISHING MEDIA : Carbon dioxide , foam , dry chemical or water fogNOT SUITABLE EXTINGUISHING MEDIA : WaterSPECIFIC HAZARDS : None

**6. ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS : Clean up to prevent slipping and stop a leak.

Evacuate personnel to a safe area.

ENVIRONMENTAL PRECAUTIONS : Place in a container for disposal.

METHODS FOR CLEANING UP

·RECOVERY : Sweeping or shoveling

·DISPOSAL : Don't flush to sewage systems.

Incinerate in accordance with applicable regulations.

PREVENTION OF SECONDARY HAZARDS : Please remove all firing source immediately.

OTHERS : Please report it to the authorities concerned immediately

**7. HANDLING AND STORAGE****(A) HANDLING**

TECHNICAL MEASURES

·PREVENTION OF USER EXPOSURE : Avoid contact with eyes and skin.

Wash thoroughly after handling.

Use a tool for protection.

Use pumps to take it out from a container.

·PREVENTION OF FIRE AND EXPLOSION : Remove sources of heat and flame.

Take measures to the static electricity.

PRECAUTION FOR SAFE HANDLING : Not available

SAFE HANDLING ADVICE : Not available

**(B) STORAGE**

TECHNICAL MEASURES : Keep container closed.

Keep away from sources of heat and flame.

SUITABLE STORAGE CONDITIONS : Store in a cool and shaded area.

Avoid contact with the Halogen and oxidation-related material and the safekeeping at the same place.

SAFEN PACKAGING MATERIALS : Metal

THE HANDLING OF THE CONTAINER : Please don't pressure a container.

The pressure causes the explosion.

Do not process a container.

Residual oil catches fire

and may be accompanied with an explosion.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING MEASURES TO REDUCE EXPOSURE :

Keep the container tightly closed.

Keep away from heat and flame.

SPECIFIC CONTROL PARAMETER

·LIMIT VALUES : N/A

·BIOLOGICAL STANDARDS : N/A

RECOMMENDED MONITORING PROCEDURES : None

RESPIATORY PROTECTION : Avoid breathing vapours and mists.

HAND PROTECTION : Use protective gloves made of rubber.

EYE PROTECTION : If necessary , use safety glasses.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE : Liquid

COLOUR : Dark blue

ODOUR : Odourless

pH : Nearly neutral

BOILING POINT : >250°C

FLASH POINT : >200°C

AUTOIGNITION TEMPERATURE : Not available

EXPLOSION PROPERTIES : Explosive under the concentration range from  
1% to 7% in the surrounding atmosphere.

DENSITY : 0.87g/cm<sup>3</sup>

SOLUBILITY : Not soluble in water.

**10. STABILITY AND / REACTIVITY**

HAZARDOUS DECOMPOSITION PRODUCTS : Carbon monoxide and/or carbon dioxide.

**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY : No information available.

LOCAL EFFECTS : No information available.

SENSITIZATION : Prolonged or repeated skin contact may cause irritation.  
The repeated eyes contact may cause stimulation.

INHALATION : The inhalation of the mist may become uncomfortable.

INGESTION : The ingestion of the liquid might cause diarrhea and vomiting.

**12. ECOLOGICAL INFORMATION**

PERSISTENCE / DEGRADABILITY : No data available

BIOACCUMULATION : No data available

ENVIRONMENTAL IMPACT / ECO-TOXICITY : No data available

**13. DISPOSAL CONSIDERATIONS**

RECOMMENDED METHODS FOR SAFE AND  
ENVIRONMENTALLY PREFERRED DISPOSAL

· WASTE FROM RESIDUES : Incinerate in accordance with applicable regulations.

· CONTAMINATED PACKAGING : material may be recovered and recycled.

**14. TRANSPORT INFORMATION**

RAILROAD TRANSPORTATION : No data available

ROAD TRANSPORTATION : No data available

SEA TRANSPORTATION : No data available

AIR TRANSPORTATION : No data available

**15. REGULATORY INFORMATION**

REGULATIONS : No labeling required with regard to hazard symbols in Japan.

**16. OTHER INFORMATION**

This Safety Data Sheet is based upon ISO 11014-1

The information given in this safety data sheet is for safety purpose only.

It is given in good faith and based upon the best knowledge and experience of the company at the

date of issuing. The company is not responsible for damages caused by the use of the product in applications for which it was not intended or for conditions of use outside its control.