

**NIKKO CASTY CO.,LTD**  
**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT IDENTIFICATION : EXCALIBUR MT-4000

MANUFACTURER'S NAME : NIKKO CASTY CO.,LTD

ADDRESS : No.1 KANDA-MATUNAGA-CHO,  
CHIYODA-KU TOKYO,101-0023, JAPAN

EMERGENCY PHONE NUMBER : 03-3255-1061

**EMERGENCY OVERVIEW**

This product is a water soluble Metalworking Fluid Concentrate.

Direct eye contact may cause irritation. Short term skin contact may cause slight irritation.

Inhalation of high vapor or mist levels in poorly ventilated areas may cause mild upper respiratory tract irritation. Ingestion is not an anticipated route of exposure.

\* HMIS Rating: Health-1    Flammability-0    Reactivity-0    PPE-X

**SECTION 2 - COMPONENT DATA**

|                  |                  |        |
|------------------|------------------|--------|
| Triethanolamine  | Cas# : 102-71-6  | 10-30% |
| Ethanolamin      | Cas# : 141-43-5  | 3- 7%  |
| Neodecanoic acid | Cas# :26896-20-8 | 3- 7%  |
| Nonanoic acid    | Cas# : 112-05-0  | 1- 5%  |

**SECTION 3 - HAZARDS IDENTIFICATION**

POTENTIAL HEALTH EFFECTS and SYMPTOMS from SHORT TERM/ACUTE EXPOSURE:

**-EYE EXPOSURE-**

This product is not expected to cause eye irritation under normal conditions of use. Symptoms of mild eye irritation and redness may result upon direct contact or when exposed to high mist levels in poorly ventilated areas.

**-SKIN EXPOSURE-**

Skin contact may result in slight, temporary irritation.

**-INHALATION-**

This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may irritate the upper respiratory tract with symptoms of itching eyes and nasal passages.

**-INGESTION-**

Ingestion may cause slight stomach irritation and discomfort.

POTENTIAL CHRONIC HEALTH EFFECTS:

No further data known.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

No further data known.

### **SECTION 4 - FIRST AID MEASURES**

#### EYE CONTACT:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If symptoms persist, contact a physician.

#### SKIN CONTACT:

Remove product from the skin by washing with a mild soap and flushing with a steady stream of water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

#### INHALATION:

If signs or symptoms of overexposure occur, remove the employee to fresh air. If symptoms persist, seek medical attention.

#### INGESTION:

If small amounts are ingested, first aid measures are not likely to be necessary. If larger amounts are ingested or if symptoms of ingestion occur, dilute stomach contents with two glasses of water or milk. (NOTE: Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously keep airway clear. If symptoms of ingestion persist, seek medical attention.

#### NOTE TO PHYSICIAN:

No further data known.

### **SECTION 5 - FIRE FIGHTING MEASURES**

#### FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint : Not Applicable

Lower Explosive Limit : Not Applicable

Upper Explosive Limit : Not Applicable

#### EXTINGUISHING MEDIA

This product is not combustible but water fog, dry chemical, foam, and CO<sub>2</sub> fire extinguishers may be used in areas where it is stored.

#### UNUSUAL FIRE & EXPLOSION HAZARDS:

No further data known.

#### FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

The noncombustible nature of the product creates no need for special fire fighting procedures and equipment.

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

If possible, safety contain the spill with dikes or other spill response equipment appropriate for releases of water-based materials. Prevent spreading of product and/or release into the environment. Large volumes of material should be collected in an appropriate waste container for proper disposal. Small volumes or residues may be soaked up with absorbent material. Disposal of any spill response materials should meet appropriate waste regulations.

## **SECTION 7 - HANDLING AND STORAGE**

### **HANDLING:**

Avoid contact with eyes. Keep container closed. Use in a well ventilated area. Wash thoroughly after handling. Do not puncture or incinerate container.

### **STORGE:**

Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

### **SPECIAL COMMENTS:**

Do not mix with nitrites. This product contains an amine that may react, under certain conditions, with nitrites to form nitrosamines.

## **SECTION 8 - PHYSICAL AND CHEMICAL PROPERTIES**

|                              |                  |
|------------------------------|------------------|
| Boiling Point                | : 100°C          |
| Physical Appearance          | : Clear          |
| Odor                         | : Mild Character |
| Physical State               | : Liquid         |
| Solubility(H <sub>2</sub> O) | : 100% Miscible  |
| Specific Gravity             | : 1.067          |

## **SECTION 9 - OTHER INFORMATION**

Prepared by : Corporate Regulatory Compliance

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### **NOTICE:**

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