

September/6/2010

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# MATERIAL SAFETY DATA SHEET

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## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL PRODUCT NAME ; CACTUS NORMAL PARAFFIN YHNP  
NAME OF PRODUCER ; JX NIPPON OIL & ENERGY CORPORATION  
NAME OF SECTION ; SPECIALTY & PERFORMANCE CHEMICALS GROUP I  
SPECIALTY & PERFORMANCE CHEMICALS DEPT. I  
CHEMICALS DIVISION  
ADDRESS ; 6-3, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, 100-8162, JAPAN  
TELEPHONE NUMBER ; 03-6275-5203  
FAX. NUMBER ; 03-3276-1323

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## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME ; NORMAL PARAFFIN  
INGREDIENTS AND COMPOSITION ; NORMAL PARAFFIN MORE THAN 98.0%  
CHEMICAL FORMULA ;  $C_nH_{2n+2}$  (n:12~15)  
CAS REGISTRY NUMBER ; 64771-71-7  
UN CLASS ; NOT APPLICABLE  
UN NUMBER ; —

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## SECTION III - HAZARADS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS ; FLAMMABLE LIQUID.  
ADVERSE HUMAN HEALTH HAZARDS  
INHALATION ; DIZZINESS, HEADACHE, BUZZING IN EARS, VOMITING, ETC.  
SKIN ; IRRITATING TO SKIN.  
EYES ; IRRITATING TO EYES.

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## SECTION IV - FIRST AID MEASURES

SKIN CONTACT ;	REMOVE CONTAMINATED CLOTHING FROM THE AFFECTED AREAS AS QUICKLY AS POSSIBLE AND WASH WITH LARGE AMOUNT OF WATER AND SOAP.
EYE CONTACT ;	GENTLY RINSE THE AFFECTED EYES WITH CLEAN WATER AT LEAST FOR 15 MINUTES. ARRANGE FOR TRANSPORT TO THE NEAREST MEDICAL FACILITY FOR EXAMINATION AND TREATMENT BY A PHYSICIAN AS SOON AS POSSIBLE.
INHALATION ;	REMOVE THE VICTIM IMMEDIATELY FROM THE CONTAMINATION TO FRESH AIR. AND ARRANGE FOR TRANSPORT TO THE NEAREST MEDICAL FACILITY FOR EXAMINATION AND TREATMENT BY A PHYSICIAN AS SOON AS POSSIBLE.
INGESTION ;	DO NOT INDUCE VOMITTING AND ARRANGE FOR TRANSPORT TO THE NEAREST MEDICAL FACILITY FOR EXAMINATION AND TREATMENT BY A PHYSICIAN AS SOON AS POSSIBLE.

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## SECTION V - FIRE-FIGHTING MEASURES

EXTINGUISHING METHOD ; SMOTHER USING DRY POWDER, CARBON DIOXIDE, FOAM OR SAND.  
EXTINGUISHING MEDIA ; DRY CHEMICAL POWDER, CARBON DIOXIDE, FORM OR SAND.

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## SECTION VI - ACCIDENTAL RELEASE MEASURES

① SPILLS OR LEAKS ARE TO BE DIKED OR CONTAINED WITH SAND OR EARTH TO PREVENT

- SPREADING. IF COLLECTED IN THE DIKE, RECOVER BY PUMPING INTO DRUMS. SMALL SPILLS CAN BE SOAKED UP WITH SUITABLE ABSORBENT SUCH AS SAWDUST.
- ②WASTED SPILLS SHOULD BE BURRNED OUT SAFELY IN THE INCINERATOR.
- ③AVOID BREATHING OF VAPOR, AVOID CONTACT WITH SKIN.

## SECTION VII—HANDRING AND STORAGE

- HANDRING ; ①WEAR A PERSONAL PROTECTIVE EQUIPMENT WHEN CONTACT OR INHALATION IS POSSIBLE.
- ②KEEP AWAY FROM IGNITION SOURCE SUCH AS OPEN FLAME, STATIC CHARGES AND SPARKS.
- STORAGE ; KEEP CONTAINER TIGHTLY CLOSED, STORE IN A COOL LOCATION.

## SECTION VIII—EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS ; ACGIH -  
PROTECTIVE EQUIPMENT ; EYE, HAND, AND BODY PROTECTION

## SECTION IX—PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ; CLEAR LIQUID  
ODOR ; SLIGHT ODOR  
DENSITY (15°C, g/cm<sup>3</sup>) ; 0.760  
BOILONG POINT(°C) ; 222~246  
MELTING POINT(°C) ; -5  
SOLUBILITY IN WATER (g/l 20°C) ; 0.05

## SECTION X—PHYSICAL HAZARD (STABILITY AND REACTIVITY)

FLASH POINT(°C) ; 98  
AUTOIGNITION TEMPERATURE (°C) ; 210 (ESTIMATED VALUES)  
FLAMMABLE LIMIT IN AIR(%BY VOL. ) ;  
LOWER 0.7 (ESTIMATED VALUES)  
UPPER 5.5 (ESTIMATED VALUES)

STABILITY ; STABLE  
REACTIVITY ; RISK OF REACTION IF TOUCHED WITH OXIDIZED MATERIAL

## SECTION XI—TOXICOLOGICAL INFORMATION

ACUTE TOXICITY ; NOT AVAILABLE  
IRRITATION ; NOT AVAILABLE  
MUTAGENICITY ; NOT AVAILABLE

## SECTION XII—ECOLOGICAL INFORMATION

BIODEGRADABILITY ; NOT AVAILABLE  
BIOACCUMURATION ; NOT AVAILABLE  
FISH TOXICITY ; NOT AVAILABLE

## SECTION XIII—DISPOSAL CONSIDERATION

BURN IN A CHEMICAL INCINERATOR SAFELY.  
DO NOT DUMP INTO SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER.

## SECTION XIV—TRANSPORT INFORMATION

KEEP AWAY FROM SOURCE OF IGNITION.  
FOLLOW ALL REGULATIONS IN YOUR COUNTRY.

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**SECTION XV-REGULATORY INFORMATION**

FOLLOW ALL REGULATIONS IN YOUR COUNTRY.

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**SECTION XVI-OTHER INFORMATION****INFORMATION CONTACT:**

JX NIPPON OIL & ENERGY CORPORATION  
SPECIALTY & PERFORMANCE CHEMICALS GROUP I  
SPECIALTY & PERFORMANCE CHEMICALS DEPT. I  
CHEMICALS DIVISION  
TELEPHONE NUMBER ; 03-6275-5203  
FAX. NUMBER ; 03-3276-1323

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