

REVISED : 2015-06-25  
 PRINTED : 2015-06-30

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME .....: B A ; N F O R M U L A 1 0 W - 4 0  
 CHEMICAL NAME .....: Petroleum hydrocarbon, Synthetic Oil, Additives  
 CAS REGISTRY NO . .....: INDUSTRIAL SECRETS  
 MANUFACTURER .....: Kygnus Sekiyu K.K.  
 Nittobo Bldg., 2-8-1 Yaesu Chuo-ku,  
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**2. HAZARDS IDENTIFICATION OF THE PRODUCT**

**\*\*\* EMERGENCY OVERVIEW \*\*\***

Not expected to cause a severe emergency hazard.

**Using this product as gasoline engine oil, the used oil may have carcinogenicity.**

**PRIMARY ENTRY ROUTES : Skin**

**INHALATION -----**

Inhalation of vapor or mist may result in dizziness and nausea.

**SKIN -----**

Prolonged and/or repeated contact may cause skin irritation and inflammation.

**EYE -----**

Contact with the eye may cause irritation and redness.

**INGESTION -----**

Ingestion may result in nausea and/or diarrhea.

Acute toxicity : LD50 > 5g/Kg

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE -----**

Personnel with pre-existing skin disorders should avoid contact with this product.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Petroleum hydrocarbon, Synthetic Oil .....	more than 80 [wt%]
Additives .....	less than 20 [wt%]
This ingredients in this product are on TSCA Inventory and in CAS.	

**4. FIRST AID MEASURES**

**EYE -----**

Flush with large amounts of water for at least 15 minutes.

If redness or irritation persists, contact a physician.

**SKIN -----**

Wash with soap and water. Wash clothing before reuse.

If irritation or rash develops, obtain medical assistance.

**INGESTION -----**

Do not induce vomiting ! Call a physician.

**INHALATION -----**

Move to fresh air.  
Keep a victim warm by covering with a blanket and in quiet.  
Assist breathing if necessary. Contact a physician.

**5. FIRE FIGHTING MEASURES**

**SPECIFIC HAZARD**

**--- FLAMMABLE LIMITS IN AIR ---**

LOWER EXPLOSIVE LIMIT (LEL) ...:           N/D           % VOL.  
UPPER EXPLOSIVE LIMIT (UEL) ...:           N/D           % VOL.

FLASH POINT.....: > 200°C (COC)

AUTOIGNITION TEMP.....: N/D

**--- NFPA CLASSIFICATION ---**

HEALTH - 1  
FIRE - 1  
REACTIVITY - 0

**---- HAZARD RATING ----**

0 - LEAST      3 - HIGH  
1 - SLIGHT     4 - EXTREME  
2 - MODERATE

**FIRE AND EXPLOSION HAZARDS -----**

Can be made to burn.

**EXTINGUISHING MEDIA -----**

Halon Dry Chemical, CO<sub>2</sub>, Foam, Water Mist or fog.

**SPECIAL FIRE FIGHTING INSTRUCTIONS -----**

Wear self-contained breathing apparatus. Do not use forced stream as this could cause fire to spread.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL/LEAK PROCEDURES -----**

Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition. Spill area Will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.

**7. HANDLING AND STORAGE**

**HANDLING AND STORAGE -----**

Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapor.

NFPA Class III B storage. Wash thoroughly after handling.

**WORK/HYGIENIC PRACTICES -----**

Wash hand with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvent, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse.

Launder or discard contaminated shoes and leather gloves.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS -----**

5[mg/m<sup>3</sup>] mineral oil mist (ACGIH 8 hour TWA)

**ENGINEERING CONTROLS -----**

Use adequate ventilation to keep oil mists of this material below applicable standard(s).  
See section on occupational exposure limits

**EYE/FACE PROTECTION -----**

Safety glasses or splash goggles. Have suitable eye wash water available.

**SKIN PROTECTION -----**

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing.  
Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton.

**RESPIRATORY PROTECTION -----**

Normally not required if adequate ventilation.  
NIOSH/MSHA approved apparatus

**OTHER/GENERAL PROTECTION -----**

If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT</b> .....	Wide Range
<b>MELTING POINT</b> .....	N/A
<b>SPECIFIC GRAVITY</b> .....	0.86
<b>PACKING DENSITY</b> .....	N/A
<b>VAPOR PRESSURE</b> .....	< 0.03 ([Pa] at 25°C)
<b>VAPOR DENSITY</b> .....	> 10 (AIR=1)
<b>SOLUBILITY IN WATER</b> .....	Insoluble
<b>PH INFORMATION</b> .....	N/A
<b>% VOLATILES BY VOL</b> .....	Negligible
<b>EVAPORATION RATE</b> .....	Negligible
<b>OCTANOL / WATER COEFF</b> ....	N/D
<b>APPEARANCE</b> .....	Yellow Liquid
<b>ODOR</b> .....	Slight Odor
<b>ODOR THRESHOLD</b> .....	N/D

**10. STABILITY AND REACTIVITY**

**STABILITY -----**

Stable

**CONDITIONS TO AVOID (STABILITY) -----**

Sources of ignition.

**INCOMPATIBLE MATERIALS -----**

Strong oxidizing agents such as chromic acid, hydrogen peroxide and bromine.

**HAZARDOUS DECOMPOSITION PRODUCTS -----**

Upon combustion, CO<sub>2</sub> and CO are generated.

**HAZARDOUS POLYMERIZATION -- -----**

Polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE STUDIES -----**

Tests on similar materials show a low order of acute oral and dermal toxicity.

**EYE EFFECTS -----**

Minimal irritation on contact.

**SKIN EFFECTS -----**

Practically non-toxic if absorbed.

May cause mild irritation with prolonged and repeated contact.

**ACUTE ORAL EFFECTS -----**

Tests on similar materials indicate low order of acute oral toxicity.

**ACUTE INHALATION EFFECTS -----**

Low acute toxicity expected on inhalation.

**12. ECOLOGICAL INFORMATION**

**AQUATIC RELEASE -----**

Advise authorities if product has entered or may enter watercourses or sewer drains.

**13. DISPOSAL CONSIDERATIONS**

**SPILL, LEAK OR RELEASE -----**

Stop leak, dike up large spills. Use inert absorbent material such as earth, sand, or vermiculite for clean-up.

**WASTE DISPOSAL METHOD -----**

Dispose of in accordance with Local, State, and Federal government regulations.

**14. TRANSPORT INFORMATION**

Proper Shipping Name	:	Not regulated by DOT (Contains oil)
Hazard Class	:	Not Applicable
DOT ID No.	:	Not Applicable
DOT Shipping Label	:	Not regulated by DOT
Usual Shipping Containers	:	Rail cars, Tank truck, Drums.
Transport Temperature Deg.C:	:	Ambient to max 60 °C

**15. REGULATORY INFORMATION**

**U.S.FEDERAL REGULATORY INFORMATION ----**

SARA 302 Threshold Planning Quantity	:	N/A
SARA 304 Reportable Quantity	:	N/A
SARA 311 Categories	:	Immediate (Acute) Health Effects -- No
		Delayed (Chronic) Health Effects -- No
		Fire Hazard -- No
		Sudden Release of pressure Hazard -- No
		Reactivity Hazard -- No

**Comprehensive Environmental Response, Compensation and liability Act (CERCLA) -----**

No chemicals in this product are subject to the reporting requirements of CERCLA.

16. OTHER INFORMATION

DISCLAIMER -----

The information contained herein is based upon data believed to be Reliable and reflects our best professional judgment.

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