

Material Safety Data Sheet

SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

AR2920, AR2921, AR2922, AR2923, AR2924, AR2925, AR2926, AR2927, AR2928, AR3026,  
AR5201  
JP Fuel Standards

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MANUFACTURER'S DUNNS NO. 08 383 8045

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD  
CLASSES, HAZARD ID NO:

Aliphatic Hydrocarbon  
DOT hazard class combustible liquid

CHEMICAL FAMILY: aliphatic hydrocarbon

FORMULA: N/A

SECTION II - INGREDIENTS (LIST ALL INGREDIENTS)

CAS REGISTRY NO.	% W	CHEMICAL NAMES	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) SPECIFY
8008-20-6	100	Petroleum Distillate	no

SECTION III - PHYSICAL DATA

Boiling point: 320 F                    SPECIFIC GRAVITY = < 1  
(WATER = 1)

% Volatile by volume: 100

Vapor pressure: 0.27 mmHg @ 100 F

Percent solid(s) by weight % = 0

Vapor density (air = 1): > air

Evaporation rate: slower than ether

Solubility in water: slight                    Ph: N/A

Melting point: N/A

Material is Liquid

Appearance and odor: clear slightly viscous liquid

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: 119 F

Flammable limits: LEL: .7% UEL: N/A

Extinguishing media: regular foam or carbon dioxide or dry chemical

Special fire fighting procedures: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid.

Unusual fire and explosion hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near bottle (even empty) because product (even just residue) can ignite explosively.

#### SECTION V HEALTH HAZARD DATA

Threshold Limit Value: N/A

Permissible exposure limit: N/A

Other limit: NIOSH recommends a limit of 100 MG/M3 for 10 Hr.

Effects of overexposure: Eyes - can cause severe irritation, redness, tearing, blurred vision. Skin - prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Breathing - excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death. Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Primary routes of entry: Inhalation Skin Contact

Emergency and first aid procedures:

If on skin: thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: flush with large amounts of water, lifting upper and lower lids occasionally; get medical attention.

If swallowed: do not induce vomiting, keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

If breathed: if affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quite and get medical attention.

#### SECTION VI REACTIVITY DATA

Stability: stable

Conditions to avoid: strong oxidizing agents

Incompatibility: (material to avoid) avoid contact with strong oxidizing agents

Hazardous decomposition products: CO, CO<sub>2</sub>, various hydrocarbons

Hazardous polymerizations: cannot occur

#### SECTION VII SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled: absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood. Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.

Waste disposal:

Comply with state, federal, and local regulations.

Reportable quantities in lbs.:

CERCLA N/A          SARA N/A          OTHER N/A

RCRA hazardous waste number(s): N/A

Volatile organic compounds (VOC) (as packaged minus water).

Theoretical (lbs/gal): N/A          Analytical (lbs/gal): N/A

#### SECTION VIII SPECIAL PROTECTION

Eye protection: chemical splash goggles in compliance with OSHA regulations are advised.

Skin protection: wear resistant gloves such as neoprene, nitrile rubber

Respiratory protection: NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control.

Ventilation Local Exhaust (specify rate): Provide sufficient mechanical ventilation to maintain exposure below TLV's

Special: N/A

Requirements Mechanical (General) (Specify rate): N/A

#### SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing and/or other precautions:  
Containers of this material may be hazardous when emptied, since emptied  
containers retain product residues (vapor, liquid, and/or solid), all hazard  
precautions given in the data sheet must be observed.

#### SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor  
&/or supplier of this product. Alpha Resources, Inc. cannot warrant the  
accuracy of this information and shall not be responsible or liable for any  
damage that may result, should any of the information be erroneous.

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