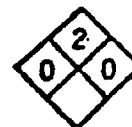


AMERADA HESS CORPORATION

1 Hess Plaza
Woodbridge, New Jersey 07095

MATERIAL SAFETY DATA SHEET

RATING



SECTION I

MANUFACTURER'S NAME Amerada Hess Corporation		EMERGENCY TELEPHONE NO. 201 - 750-6000
ADDRESS (NUMBER, STREET, CITY, STATE, and ZIP CODE) 1 Hess Plaza, Woodbridge, NJ 07095		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME #6 Residual Fuel Oil, H/S
CHEMICAL FAMILY Petroleum Hydrocarbon	FORMULA	

SECTION II HAZARDOUS INGREDIENTS *

COMPOSITION	%	SPECIES	LD ₅₀		LC ₅₀	
			ORAL	DERMAL	CONCENTRATION	HOURS
PIGMENTS						
CATALYST						
VEHICLE						
SOLVENTS						
ADDITIVES						
OTHERS						
Petroleum Distillates (NOC)						
Sulfur (CAS #7704-34-9)	1-3	*				
*Contingent on Product Specification						
varies from 1 to 3%						

SECTION III PHYSICAL DATA

BOILING POINT (°F)	Range Greater Than 500°F	SPECIFIC GRAVITY (H ₂ O = 1)	(Varies)	0.966
VAPOR PRESSURE (mmHg) @ 70°F	Below 0.0001	PERCENT VOLATILE BY VOLUME (%)		Nil
VAPOR DENSITY (AIR = 1)	Approximately 1.0	EVAPORATION RATE (_____ = 1)	Approximately	0
SOLUBILITY IN WATER	Nil	Autoignition Temperature		765°F
APPEARANCE AND ODOR				
Very viscous black liquid with petroleum odor.				

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	PMCC 150°F minimum	FLAMMABLE LIMITS	Lel	Uel
			3.9	20.1
EXTINGUISHING MEDIA				
Foam, Dry Chemical, Carbon Dioxide, Halon, Water Spray				
SPECIAL FIRE FIGHTING PROCEDURES				
Fire Fighters should wear self contained breathing apparatus in confined areas. Cool adjacent structures using water spray.				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Moderately combustible liquid. Frothover may result when foam or water is applied.				

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

500 ppm (OSHA-Petroleum distillates)

EFFECTS OF OVEREXPOSURE

Inhalation in confined spaces may result in dizziness, drowsiness, headache.

Ingestion - irritation of stomach and intestines.

EMERGENCY AND FIRST AID PROCEDURES EYE CONTACT: In case of contact with eyes, immediately flush with low-pressure water for at least 15 min. SKIN CONTACT: Remove saturated clothing. Wash for 5 min. INGESTION: Do not induce vomiting. Give water or milk and call physician or poison control. INHALATION: Remove to fresh air, administer first aid, call physician.

SECTION VI REACTIVITY DATA

STABILITY	CONDITIONS TO AVOID	
	UNSTABLE	
	STABLE	X Material stable under normal conditions.

INCOMPATIBILITY (MATERIALS TO AVOID)

Keep away from oxidizers, ignition sources and heat.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID	
	MAY OCCUR	
	WILL NOT OCCUR	X

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Shut off leak. Eliminate ignition sources. Contain and collect spilled product.

Prevent public access. In case of a spill into waterway, notify regulatory agencies as required.

WASTE DISPOSAL METHOD

Waste may be incinerated, with approval of EPA, at approved disposal site.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) Not required in well ventilated areas. In confined spaces, self contained breathing apparatus is required.

VENTILATION	SPECIAL	
	LOCAL EXHAUST	OTHER
	Normally not required with good general ventilation.	
	MECHANICAL (GENERAL)	

PROTECTIVE GLOVES
Neoprene gloves

EYE PROTECTION
Wear goggles if splash hazard exists.

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from flame, sparks, excessive temperatures and open flames. Use approved vented containers. Bond and ground containers.

OTHER PRECAUTIONS

DOT CLASSIFICATION: Combustible Liquid - DOT I.D. NO. UN 1993

NAME O. W. Henderson

TITLE Manager, Corporate Safety & Fire Prot.

COMPANY Amerada Hess Corporation

SIGNATURE *O. W. Henderson*

DATE February 1, 1985

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.