

MITASU OIL CORPORATION

1-2-9, Nishi Shimbashi, Minato-Ku,Tokyo, 105-0003, Japan Tel: +81-3-5532-8187. Fax: +81-3-5532-8188 E-mail: info@mitasuoil.co.jp

MATERIAL SAFETY DATA SHEET

1.	PRODUCT IDENTIFICATION AND COMPANY										
	Issue Date	01.01.2020									
	Validity Period	3 years	3 years								
	Product Name		MITASU RED LONG LIFE ANTIFREEZE/COOLANT - 40°C								
Product Code MJ-641											
		Mitasu Oil Corporation									
	Producer	Tel: +81-3	1-2-9, Nishi Shimbashi, Minato-Ku,Tokyo, 105-0003, Japan Tel: +81-3-5532-8187. Fax: +81-3-5532-8188 E-mail: info@mitasuoil.co.jp								
2.	COMPOSITION										
Ζ.	COMPOSITION			1							
	Description	CAS No.		EINECS No		EU No.		Conc.			
	Deionized water							44-46%			
	Ethylene glycol	107-21-1		203-473-3		603-027-00-	1	54-56%			
3.	HAZARDS IDENTIFICATION										
	Human Health	Product is	Product is hazardous. Harmful or fatal if swallowed.								
	Eye Contact	May cause	May cause mild irritation.								
	Inhalation		Repeated and prolonged over-exposure to mists may cause irritation or discomfort.								
	Ingestion	Do not sw	Do not swallow. Toxic by ingestion.								
	Safety Hazards	Not classi	Not classified as flammable but will burn.								
	Environmental Hazards	Biodegrac	Biodegradable.								
4.	FIRST AID										
	Eye Contact	Flush eyes with large amount of water until irritation subsides. If irritation persists, get medical attention.									
	Skin Contact		Flush with large amount of water; use soap if available. Remove contaminated clothing. If irritation persists, get medical attention.								
	Inhalation	Remove to	o fres	sh air. If rapid r	ecov	very does not oc	cur	, get medical a	ttention.		
	Ingestion	Do not inc	duce	vomiting. Seek	imn	nediate medical	atte	ention.			
				1							

5.	FIRE SAFETY									
	Flash Point	>	111	°C						
	Flammable Limit	Not class products unidentif								
	Autoignition Temp	Not determined.								
	Specific Hazards	Not class products unidentif								
	Fire Fighting	Use dry chemical, foam or carbon dioxide to extinguish fire. Water may c								
6.	ACCIDENTAL RELEA	SE MEAS	URES	5						
	Clean-up Procedure	generous	s amo	unt of inert abs	sorbe	ent material suc	ch as	possible. Cover sand or earth. bosal in accorda	Sweep up a	
7.	HANDLING AND STO	RAGE								
	Handling	Handling temperatures should not exceed 70°C. Wear proper safety protective equipment. Wash hands thoroughly after handling. Water contamination and spillage should be avoided.								
Storage Storage temperatures should be maintained between 0 to 50 toxic fumes may be evolved from decomposition of product i safe temperature.										
8.	EXPOSURE CONTRO	L/PERSO	NAL F	PROTECTION						
Exposure Limits Threshold Limit Values for oil mist is recon lower for exposure of 8 hours daily.						ded to	be controlled a	at 5 mg/m3		
Ventilation Exhaust ventilation to keep below exposure limits. Eye Protection Wear safety glasses or face shields if splashing is likely to oc										
							y to occur.			
	Skin Protection	Avoid rep	peated	and prolonge	ed cor	ntact with prod	uct. l	Jse oil resistant	gloves.	
	Respiratory Protection	Not normally required unless in confined space.								
Body Protection Use proper protective equipment to avoid conta are likely to occur.							ct. W	ear PVC apron	if splashes	
9.	PHYSICAL AND CHEMICAL PROPERTIES									
	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.									
	TEST DESCRIPTION			UNIT		METHOD		TYPICAL RESULTS		
	Color			-		Visual		Red		
	Density at 15 °C			kg/l		D 4052		1,0700		
	Density at 30 °C			kg/l		D 4052				

	Pour Point		°C		D 1177	- 40					
10.	STABILITY AND REAC	CTIVITY									
	Stability	Product is stable under normal use conditions.									
	Thermal Decomposition	Carbon oxides, aldehydes, ketones, organic and inorganic compound may evolve when subject to heat or combustion.									
	Hazardous Polymerisation	Will not occur under normal conditions.									
	Incompatible Materials	Strong oxidizing agents.									
1 1											
11.	TOXICOLOGICAL INFORMATION										
	Basis	The product is toxic. Ethylene glycol is more acutely toxic to humans than to animals.									
	Acute Exposure Oral	LD 50 expected to be above 100 ml									
	Acute Exposure Skin	LD 50 expected to be above 2000 mg/kg									
	Inhalation	Repeated or prolonged exposure to mists may cause irritation.									
	Eye Irritation	Slightly irritant.									
	Skin Irritation	Not a skin irritant unless repeated or prolonged contact.									
	Respiratory Irritation	Mild irritant.									
	Carcinogenicity	No data to suggest that product is carcinogenic.									
	Mutagenicity	No data to suggest that product is mutagenic.									
	Other Information	Brief contact with used product is not expected to have serious effect in humans in the product is removed thoroughly by washing with soap and water.									
		Used product is toxic, may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they present risks to health and the environment on disposal. All product should be handled with caution.									
12.	ECOLOGICAL INFORMATION										
	Basis	The product is toxic. Ethylene glycol is more acutely toxic to humans than to animals.									
	Mobility	Liquid under most environmental conditions. Floats on water. It is absorbed by soil and will not be mobile.									
	Persistence/ Degradability	Biodegradable.									
	Bioaccumulation	Has not the potential to bioaccumulate.									
	Ecotoxicity	Practically non-toxic to aquatic organisms. Biodegradable.									

	Product Disposal	Used or waste product should be recycled or disposed off in conformity to local disposal regulations. Contact local authorities for approved disposal contractor.									
	Container Disposal	Empty drums should be completely drained and sent to a drum reconditioner or properly disposed of. Non-reusable small containers should be recycled or disposed of. Ensure conformity to local disposal regulations.									
14.	TRANSPORT INFOR	MATION	ΜΑΤΙΟΝ								
	General Information	Not dang	erous	for conveyanc	e ur	ider UN, IMO,	ADR/	RID and IATA/I	CAO codes.		
15.	REGULATORY INFOR	RMATION	MATION								
	Not Applicable.										
16.	OTHER INFORMATION										
	The above information is based on data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. Therefore, no warranty either express or implied of merchantability or fitness for particular purpose is made with respect to the product or the information contained herein.										