

Safety Data Sheet

CF 53179F



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Product Name	CF 53179F
Application	Flush Solution
Other means of identification	Not applicable
Restrictions on use	Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.
User	Condor Energy Services Ltd Level 4, 15 Ogilvie Road Mount Pleasant WA 6153 AUSTRALIA +61 8 9106 9176
Supplier	Nalco Australia 2 Drake Avenue Macquarie Park NSW 2113 Australia A.B.N. 59 000 449 990 TEL: +61 2 8870 8100 FAX: +61 2 8870 8680
Emergency Contacts	1 800 205 506 +65 6542 959

2. HAZARDS IDENTIFICATION	
Hazard classification	
HARMFUL	This product is classified as hazardous according to Safe Work Australia. This product is not classified as a Dangerous Good according to national or international regulations
R-phrases	Harmful. May Cause lung damage if swallowed
S-phrases	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
Other hazards which do not result in classification	None known

3. COMPOSITION / INFORMATION ON INGREDIENTS			
Pure substance/mixture	Mixture		
Chemical Name	CAS-No.	Concentration: (%)	
Distillates, petroleum, hydro-treated light	64742-47-8	60 - 100	

4. FIRST AID MEASURES	
In case of eye contact	Rinse with plenty of water. Get medical attention if symptoms occur.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
If swallowed	Contact the Poison's Information Centre (eg Australia 13 1126; New Zealand 0800 764 766). Rinse mouth. Get medical attention if symptoms occur.
If inhaled	Get medical attention if symptoms occur.
Protection of first-aiders	In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required
Notes to physician	Treat symptomatically
Most important symptoms and effects, both acute and delayed	See Section 11 for more detailed information on health effects and symptoms

5. FIRE FIGHTING MEASURES	
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable extinguishing media	None known.
Specific hazards during firefighting	Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides
Special protective equipment for firefighters	Use personal protective equipment



5. FIRE FIGHTING MEASURES

Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	No special environmental precautions required
Methods and materials for containment and cleaning up	Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway

7. HANDLING AND STORAGE

Advice on safe handling	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from fire, sparks and heated surfaces
Conditions for safe storage	Keep away from heat and sources of ignition. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers
Suitable material	Keep in properly labelled containers
Unsuitable material	Not determined

8. EXPOSURE CONTROL / PERSONAL PROTECTION				
Components with workplace control parameters	Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.			
Components	CAS No.	Form of exposure	Permissible concentration	Basis
Distillates, petroleum, hydrotreated light	64742-47-8	TWA (Mist)	5 mg/m ³	AU OEL
Distillates, petroleum, hydrotreated light	64742-47-8	WES-TWA (Mist)	5 mg/m ³	NZ OEL
		WES-STEL (Mist)	10 mg/m ³	NZ OEL
Distillates, petroleum, hydrotreated light	64742-47-8	TWA	500ppm 2,000 mg/m ³	OHSA Z1
		TWA	200 mg/m ³	ACGIH
		TWA (Mist)	5 mg/m ³	OSHA Z1
		TWA (Mist)	5 mg/m ³	NIOSH REL
		STEL (Mist)	10 mg/m ³	NIOSH REL
Engineering measures	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.			
Personal protective equipment				
Eye protection	Safety glasses			
Hand protection	Wear protective gloves Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough			
Skin protection	Wear suitable protective clothing			
Respiratory protection	No personal respiratory protective equipment normally required			
Hygiene measures	Wash hands before breaks and immediately after handling the product			

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Liquid
Colour	Clear Colourless
Odour	Hydrocarbon
Flash point	70 deg C

9. PHYSICAL AND CHEMICAL PROPERTIES	
pH	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	200 deg C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	0.23 hPa (20 deg C)
Relative vapour density	No data available
Relative density	0.7980 (15.6 deg C)
Density	No data available
Water solubility	Partially miscible
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition temperature	No data available
Viscosity – dynamic	No data available
Viscosity – kinematic	1.68 mm ² /s (20 deg C)
Molecular weight	No data available
VOC	No data available



10. STABILITY AND REACTIVITY	
Chemical stability	Stable under normal conditions
Potential hazardous reactions	No dangerous reaction known under conditions of normal use
Conditions to avoid	Heat, flames and sparks
Incompatible materials	None known
Hazardous decomposition products	Decomposition products may include the following materials: Carbon oxides

11. TOXICOLOGICAL INFORMATION	
Information on likely routes of exposure	Inhalation, Eye contact, Skin contact
Potential Health Effects	
Eyes	Health injuries are not known or expected under normal use.
Skin	Health injuries are not known or expected under normal use.
Ingestion	May be fatal if swallowed and enters airways
Inhalation	Health injuries are not known or expected under normal use.
Chronic exposure	Health injuries are not known or expected under normal use.
Experience with human exposure	
Eye contact	No symptoms known or expected.
Skin contact	No symptoms known or expected.
Ingestion	Vomiting
Inhalation	No symptoms known or expected.
Toxicity - Product	
Acute oral toxicity	no data available
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available

11. TOXICOLOGICAL INFORMATION	
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive effects	No toxicity to reproduction
Germ cell mutagenicity	Contains no ingredient listed as a mutagen
Teratogenicity	no data available
STOT - single exposure	no data available
STOT - repeated exposure	no data available
Aspiration toxicity	May be fatal if swallowed and enters airways
Toxicity - Components	
Acute oral toxicity	Distillates, petroleum, hydrotreated light LD50 rat: > 5,000 mg/kg
HUMAN HAZARD CHARACTERIZATION	Based on our hazard characterization, the potential human hazard is: High

12. ECOLOGICAL INFORMATION	
Ecotoxicity	
Environmental effects	This product has no known ecotoxicological effects
Product	
Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available
Components	
Toxicity to fish	Distillates, petroleum, hydrotreated light LC50 : > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	Distillates, petroleum, hydrotreated light EC50 : > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	Distillates, petroleum, hydrotreated light EC50 : > 1,000 mg/l Exposure time: 72 h



12. ECOLOGICAL INFORMATION	
Toxicity to bacteria	Distillates, petroleum, hydrotreated light > 1,000 mg/l
Persistence and degradability	no data available
Mobility	<p>The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models.</p> <p>If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;</p> <p>Air: 10 - 30% Water: 50 - 70% Soil: 5 - 10%</p>
Bioaccumulative potential	no data available
Other information	no data available
ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION	Based on our hazard characterization, the potential environmental hazard is: Low

13. DISPOSAL CONSIDERATIONS	
Disposal methods	<p>Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.</p> <p>Dispose of wastes in an approved waste disposal facility</p>
Disposal considerations	<p>Dispose of as unused product.</p> <p>Empty containers should be taken to an approved waste handling site for recycling or disposal.</p> <p>Do not re-use empty containers</p>



14. TRANSPORT INFORMATION	
The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.	
Land transport	
Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
Air transport (IATA)	
Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
Sea transport (IMDG/IMO)	
Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION

15. REGULATORY INFORMATION	
Standard for the Uniform Scheduling of Medicines and Poisons	Schedule 5
INTERNATIONAL CHEMICAL CONTROL LAWS	
AUSTRALIA	All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).
CHINA	All substances in this product comply with the Provisions on the Environmental Administration of New Chemical Substances and are listed on or exempt from the Inventory of Existing Chemical Substances China (IECSC).
JAPAN	All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Existing and New Chemical Substances list (ENCS).
KOREA	All substances in this product comply with the Toxic Chemical Control Law (TCCL) and are listed on the Existing Chemicals List (ECL)
PHILIPPINES	All substances in this product comply with the Republic Act 6969 (RA 6969) and are listed on the Philippines Inventory of Chemicals & Chemical Substances (PICCS).

16. OTHER INFORMATION	
REFERENCES	Hazardous Substances Data Bank, National Library of Medicine, Bethesda, Maryland (TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.

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16. OTHER INFORMATION	
	<p>IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, Geneva: World Health Organization, International Agency for Research on Cancer.</p> <p>Integrated Risk Information System, U.S. Environmental Protection Agency, Washington, D.C. (TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.</p> <p>Annual Report on Carcinogens, National Toxicology Program, U.S. Department of Health and Human Services, Public Health Service.</p> <p>Registry of Toxic Effects of Chemical Substances, National Institute for Occupational Safety and Health, Cincinnati, OH, (TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.</p> <p>The Teratogen Information System, University of Washington, Seattle, WA (TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.</p>

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