

## MATERIAL SAFETY DATA SHEET

### 1. Product Identification

**Trade Name** : Norchem Xcell 58  
**Product Name** : Oil Spill Dispersant

### 2. Composition

No	Identity of Substances	Contents	% content	Classification
1	Diesel fuel oil	CAS No. 68334-30-5 EINECS No.269-822-7	80-95 %	T,34
2	Anionic surfactant		1-5 %	
3	Nonionic surfactant		4-10 %	

**Legend**

T+=Very toxic, T=Toxic=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive  
 O=Oxidizing, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N= Danger to environment, Mut=Genotoxic, Sens=Sensitising, Carc=Carcinogenic, Repr= Causes birth defects.

### 3. Hazards Identification

These oils, particularly when catalytically and thermally cracked hydrocarbons are present, may contain polycyclic aromatic hydrocarbons (PCAs); some PCAs have been shown to have a potential to cause skin cancer (category 3 carcinogen).  
 There are small concentrations of cetane no. improvers, flow improvers, anti-foam and detergent additives and marker/ dye that are not considered to represent a health risk.  
 Injection of fuel under the skin may have serious medical effects.  
 May be dangerous for the environment.

### 4. First Aid Measures

TYPE OF EXPOSURE	FIRST AID MEASURES
<b>Ingestion</b> The swallowing of small amounts is unlikely to have adverse effects; larger amounts may cause irritation with diarrhoea and vomiting.	<b>Ingestion</b> Wash mouth out with water and give water to drink. If a large amount has been swallowed get medical advice. <b>DO NOT INDUCE VOMITING BECAUSE OF THE DANGER OF ASPIRATION.</b>
<b>Skin</b> Unlikely to cause irritation on single contact. Prolonged or repeated contact may cause dermatitis which could eventually lead to irreversible skin disorders. Injection of fuel under pressure through the skin may have serious effects which at first may not seem serious but, within hours, may become very painful.	<b>Skin</b> Wash skin as soon as possible with soap and water. Change contaminated clothing and launder before reuse. Get medical advice if irritation persists. Any injection of fuel under the skin should be considered an EMERGENCY -get Medical Advice URGENTLY.
<b>Eyes</b> May cause irritation with short-term redness and stinging.	<b>Eyes</b> Wash out thoroughly with large amounts of water. If redness and/ or irritation continues get medical advice.
<b>Inhalation</b> Fumes or vapour may cause irritation to eyes and mucous membranes, and drowsiness leading to loss of consciousness.	<b>Inhalation</b> Inhalation of vapour causes irritation or drowsiness, remove to fresh air. Get medical advice if the symptoms continue.

**5. Fire Fighting Measures**

Extinguish with Dry Powder, Foam or Water Fog. For small fires use CO2  
Note -Flash Point 60° C.  
Fires in closed or confined spaces should be tackled by trained personnel who should wear breathing apparatus.

**6. Accidental Release Measures**

Treat any spillage as a fire hazard.  
Spray, vapour or mist can be a potential fire or explosion hazard.  
May cause damage to surfaces making them SLIPPERY.  
Contain spillage -do not wash spillage down drain.  
Absorb using absorbent clay, diatomaceous clay or other suitable absorbent.

**7. Handling and Storage**

**7.1 Handling**  
Where exposure is likely PROTECTIVE CLOTHING should be worn including impervious GLOVES and EYE PROTECTION. Ensure good ventilation.

**7.2 Storage**  
Transport, handle and store in accordance with applicable local regulations and only in labelled containers designed for this product. Ground and bond shipping container, transfer line and receiving container if there is a chance that the tank has previously contained a low flash material.  
Keep away from sparks, flame and other sources of ignition. Protect containers against static electricity, lightning and physical damage.  
Drums should be stored on their sides on racks preferably under cover, out of direct sunlight, in well-ventilated conditions.  
Other types of containers should be stored under cover out of direct sunlight, in well ventilated conditions. Care should be taken to avoid over-stacking.

**8. Exposure Controls**

Where prolonged or repeated exposure is likely PROTECTIVE CLOTHING should be worn including impervious GLOVES and EYE PROTECTION.  
Respiratory protection -Unlikely to be required in normal use but ensure good ventilation -note Flash Point 60° C min. It is suggested that exposure is kept well below the level of Oil Mist quoted in the current HSE Guidance Note EH40:  
Long term exposure limit -(8 hour TWA reference period) 5 milligrams per cubic meter.  
Short term exposure limit -(15 minute reference period) -10 milligrams per cubic meter.  
Hand and skin protection -Hand and skin protection is strongly recommended.  
Eye protection -eye protection is recommended.

**9. Physical and chemical properties**

Appearance :	Straw to Amber fluid	Flashpoint (PCM):	>60 °C min
Odour:	Solvent	Explosive properties:	
pH:	-	Vapour pressure:	
Boiling point:	150-385	Relative density:	0.86-87
Melting point:		Solubility in Water:	Not Miscible

**10. Stability and reactivity**

Conditions to Avoid - heat (Note: Flash Point 60° C min).  
Materials to Avoid - may react with strong oxidising materials.  
Hazardous Decomposition Products -thermal decomposition may lead to the formation of a multiplicity of compounds some of which may be hazardous.  
With incomplete combustion, smoke and hazardous fumes and gases, including carbon monoxide may be formed.

### 11. Toxicological information

Toxicity following single exposure (orally, dermally or by inhalation) to gas oils is of a low order. When gas oils contain cracked components they are classified as category 3 carcinogens. With the use of good occupational and hygiene practices any risk will be minimal.

### 12. Ecological information

Expected to harm aquatic organisms, may cause long-term effects in the aquatic environment. May bio-accumulate; films formed on water may affect oxygen transfer and damage organisms. Likely to biodegrade slowly.

### 13. Disposal Considerations

Dispose by incineration or by methods approved by Local Authority.  
Do not discharge into the public drainage system, or marine and inland waterways.  
Marine Fuels should be disposed of in accordance with MARPOL Regulations.

### 14. Transport Information

LABEL FOR TRANSPORTATION

HAZCHEM Code: 3/Z Symbol: Flammable Liquid  
UN: Flammable Liquid, Class 3 (III)  
UN Number (Substance Identification Number): 1202  
UN Packing Group: III IMO Hazard Class: 3  
ICAO Hazard Class: 3.3 IATA Hazard Class 3  
ADR/ RID Hazard Class: 3 -32 (c)

### 15. Regulatory Information

LABEL FOR SUPPLY:

HARMFUL

Classification: Harmful. Contains Catalytically Cracked Oils.  
R40 -Harmful. Possible risk of irreversible effects  
R65 -Harmful: May cause lung damage if swallowed  
R66 -Repeated exposure may cause skin dryness or cracking  
S43 -In case of fire use foam/ dry powder/ CO2 /Halon. Never use water.  
S45 -In case of accident or if you feel unwell, seek medical advice immediately  
(show label where possible)  
S53 -Avoid exposure -obtain special instruction before use  
S61 -Avoid release to the environment. Refer to special instructions/Safety Data Sheet  
S62 -If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### 16. Other Information

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Date: 15<sup>th</sup> September 2011