

# SAFETY DATA SHEET

17/05/11 #4

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Name:

## SPD1464 Dura Professional Non-Biological Laundry Liquid

A professional laundry liquid formulated to remove soiling from the majority of everyday fabrics in automatic machines. Not suitable for wools and silks.

### Company Name:

Spearhead  
 Mill House  
 New Mill Road  
 Kilmarnock  
 KA1 3JG

## 2. Hazards Identification

None if used properly. This product is not classified as dangerous according to Regulation (EC) No 1272/2008.

Eye contact: Transient superficial irritation.

Skin contact: Prolonged exposure may cause skin irritation.

Ingestion: Possible mild gastro-intestinal irritation with nausea and vomiting.

Inhalation: Inhaling aerosolized product may cause mild irritation of the respiratory system.

Environment: Raw materials are biodegradable. See Ecological Information (Section 12) for further details.

## 3. Composition/information on ingredients

Common Name	CAS	Classification	Conc (%)
Sodium Dodecyl Benzene Sulphonate (Anionic Surfactant)	25155-30-0	Xn; R22. Xi; R37/38, R41.	5 - 15
Linear Primary Alcohol Ethoxylate (Nonionic Surfactant) C14-15 Pareth-7EO	68951-67-7	Xn; R22, Xi; R41. N; R50.	5 - 15
Sodium C12-C15 Alkyl Ether Sulphate (Anionic Surfactant)	68585-34-2	Xi; R38, R41.	1 - 5
Diethylene Glycol	111-46-6	Xn; R22.	1 - 5
Ethanol	64-17-5	F; R11.	1 - 5
Citronellol	106-22-9	Xi; R38, R43. N; R51/53	< 0.1
Geraniol	106-24-1	Xi; R38, R43.	< 0.1
Hexyl Cinnamic Acid	101-86-0	Xi; R43.	< 0.1

The full texts for all R-phrases are displayed in Section 16 'Other Information'.

## Labelling for contents:

5 - 15 % anionic surfactants  
5 - 15 % soap, non-ionic surfactants  
< 5 % phosphonates, polycarboxylates  
Further ingredients optical brighteners,  
Perfumes; Citronellol, Geraniol and Hexyl Cinnamic acid.

## 4. First-aid measures

**Eye contact:** Rinse thoroughly with plenty of water for several minutes. If symptoms persist, seek medical advice.

**Skin contact:** Rinse affected area with water. If needed apply cold compress to relieve irritation.

If symptoms persist, discontinue use of product and seek medical advice.

**Ingestion:** Drink water to dilute product. Do not induce vomiting. Act immediately in order to prevent further irritation of mouth, throat and stomach mucosa. If symptoms persist, if persistent vomiting occurs or if blood tinged vomit is present, seek medical advice.

**Inhalation:** Go into open air and ventilate suspected area. If irritation is experienced, mouth and throat may be rinsed with water. Aerosolized product adhering to the nasal cavity may be rinsed/diluted with saline/plain water. If irritation or asthma-like symptoms persist, seek medical advice.

## 5. Fire fighting measures

**Extinguishing media:** Product itself is not explosive or flammable. The product itself will not burn. If anything, packaging may be involved in a fire. Use CO<sub>2</sub>, dry chemical powder, alcohol resistant foam or other media appropriate for materials actually involved in the fire. If water is used, contain run-off.

**Special hazards:** When heated sufficiently, product may decompose to form smoke and toxic fumes.

**Special protective equipment:** Fire fighters should wear approved self-contained breathing apparatus and full protective clothing.

## 6. Accidental release measures

### Personal precautions:

Avoid contact with skin and eyes. For appropriate personal protection see section 8.

### Environmental precautions:

Although this product is suitable for down the drain disposal it is advised that as much of the liquid is contained before final dispersal of any residue with water.

### Methods and material for containment and clean-up:

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes. Contact appropriate environmental protection agencies, (Environment Agency in the UK) and local water authorities if significant contamination occurs.

For large spills: pump spillage into suitable plastic containers and rework/dispose as per local legislation. For small spills: use non-combustible absorbent and shovel into container for disposal.

## 7. Handling and storage

### Precautions for safe handling:

Avoid contact with skin and eyes. Wear protective clothing as per section 8.

### Storage precautions:

Store in closed original container in a cool and dry area.

## 8. Exposure controls / personal protection

Not a hazard in normal use.

## Control parameters:

Agent identity		Limit		Type	peak limitation category	Remarks
Designation	EINECS-No. CAS-No. (ppm)	ml/m <sup>3</sup>	mg/m <sup>3</sup>			
ethanol; ethyl alcohol	200-578-6 64-17-5	500	960	AGW: Occupational Exposure Limit (OEL).	2	If in compliance with the MAK and BAT values then there should be no risk to the foetus
				STEL CL: Short Term Exposure Classification.		Category II: substances with a resorptive effect.
		500	960	MAK: Relevant German exposure-limit for working place (MAKvalue)	2	Listed.
				PEAK CAT: Peak limitation Category:		Category II: substances with a resorptive effect.

Valid for Germany, Business area detergents/cleansers. Basis, Germany - Occupational Exposure Limits

## Exposure controls

### Occupational exposure controls:

Respiratory protection: Not needed.

Hand protection: For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection: Wear tight fitting goggles.

## 9. Physical and chemical properties

Appearance: Green opaque liquid

Odour: perfume floral, fruity

pH (10% aqueous solution) : ca. 7-9

Melting point: Not determined

Boiling point: 100°C

Flash point: Not combustible

Evaporation rate: Not determined

Flammability: Not combustible

Explosive properties: Non-Explosive

Oxidising properties: Non-Oxidising

Vapour pressure/density: Not determined

Relative density: ca. 1-1.15

Water solubility: high

Partition coefficient: Not determined  
Auto ignition temperature: Not combustible  
Decomposition temperature: Not determined  
Viscosity: Not determined

## 10. Stability and reactivity

### Stability:

Stable under normal conditions.

### Conditions to avoid:

None

### Materials to avoid:

Do not mix with other cleaning products unless advised to do so by a professional from the industry.

## 11. Toxicological information

**Acute toxicity:** Not toxic by ingestion, dermal contact or inhalation. May cause vomiting if very large quantities are ingested. Do not induce vomiting.

**Irritation/corrosivity:** Possibility of slight irritation to skin and eyes. If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes flushing with water is recommended.

**Sensitisation:** Does not provoke a sensitisation reaction.

**Repeated dose toxicity:** Repeated exposure to low levels (e.g. on fabrics or diluted in washing water) will not cause adverse effects.

**Carcinogenicity/mutagenicity/teratogenicity:** Based on available data the classification criteria are not met.

## 12. Ecological information

On the basis of raw materials and comparable substances contained in the product the following ecological evaluation is obtained.

**Ecotoxicity:** This product is intended for wide dispersive use, is not considered harmful to aquatic organisms and is compatible with the down-the-drain disposal route.

Acute fish toxicity LC50 > 10 - <= 100 mg product/l.

Acute bacterial toxicity EC50 > 100 mg product/l.

**Persistence and degradability:** This product has not been found to cause long-term adverse effects in the environment. The surfactants used in this product are biodegradable in line with the requirements of EU Detergent Regulation (EC) No 648/2004. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Bioaccumulative potential:** The surfactant ingredients of this product are not expected to bioaccumulate.

**Mobility in soil:** Not determined.

## 13. Disposal considerations

Consumer products ending up down the drain after use. Observe safe handling precautions and local legislation.

## 14. Transport information

**UN No:** None

**Classification:** Not classified as hazardous for transport.

**UN proper shipping name:** None

**Transport hazard class:** Not subject to ADR/IATA/IMDG/RID codes.

**Packing group:** None

**Environmental hazards:** None

**Special precautions for user:** None

## 15. Regulatory information

This product is not classified as dangerous according to Regulation (EC) No 1272/2008 and national laws. All substances in the preparation are registered in the EU.

**Risk phrases** None.

**Safety phrases:** S2 Keep out of the reach of children.

## National regulations/information:

The information given has been compiled with reference to the Chemicals (Hazard Information & Packaging For Supply) Regulations (CHIP4) 2009 as amended, the Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) Regulations, as amended, the Control of Substances Hazardous to Health Regulations (COSHH) 2002, as amended, and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. This information also harmonises the provisions and criteria for the classification and labelling of substances, mixtures and certain specific articles within the Community, taking into account the classification criteria and labelling rules of the GHS.

## 16. Other information

This product does not require any special training before use. Usage and handling instructions are mentioned on this Material Safety Data Sheet. The labelling of the product is indicated in Section 15.

The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R11 Highly flammable.

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.