

# Material Safety Data Sheet



SOLID FUSION

## Section 1. Chemical product and company identification

**Trade name** : SOLID FUSION  
**Product use** : Machine Warewashing Detergent  
**Supplier** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326  
**Code** : 900957-02  
**Date of issue** : 02-March-2005

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**  
**Outside United States and Canada CALL 1-651-222-5352**

## Section 2. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
triphosphoric acid, pentasodium salt	7758-29-4	27
Sodium carbonate	497-19-8	>50
phosphonic acid, [nitrilotris(methylene)]tris-, pentasodium salt	2235-43-0	1 - 5
alcohols, c12-14, ethoxylated propoxylated	68439-51-0	1 - 5

## Section 3. Hazards identification

**Physical state** : Solid. (Solid.)  
**Emergency overview** : Caution!

Repeated or prolonged contact with irritants may cause dermatitis.  
MAY CAUSE EYE IRRITATION.  
Avoid contact with eyes. Wash thoroughly after handling.

### Potential acute health effects

**Eyes** : Slightly irritating to the eyes.  
**Skin** : Slightly irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

See toxicological information (section 11)

## Section 4. First aid measures

**Eye contact** : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation occurs.  
**Skin contact** : Wash with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.  
**Inhalation** : If inhaled, remove to fresh air.  
**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

<b>Flash point</b>	: > 100°C Product does not support combustion.
<b>Fire fighting media and instructions</b>	: Use an extinguishing agent suitable for surrounding fires.  Dike area of fire to prevent product run-off. No specific hazard.
<b>Special protective equipment for fire-fighters</b>	: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## Section 6. Accidental release measures

<b>Personal precautions</b>	: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas.
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	: If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal.

## Section 7. Handling and storage

<b>Handling</b>	: Wash thoroughly after handling.
<b>Storage</b>	: Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between -10 and 50°C

## Section 8. Exposure Controls, Personal Protection

<b>Engineering controls</b>	: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
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### Personal protection

<b>Eyes</b>	: No protective equipment is needed under normal use conditions.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: No protective equipment is needed under normal use conditions.

**Consult local authorities for acceptable exposure limits.**

## Section 9. Physical and chemical properties

<b>Physical state</b>	: Solid. (Solid.)
<b>Color</b>	: White.
<b>Odor</b>	: Odorless.
<b>pH</b>	: 11 (1%)
<b>Dispersion properties</b>	: Easily dispersed in cold water, hot water.
<b>Solubility</b>	: Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

**Stability** : The product is stable.  
**Reactivity** : Slightly reactive to reactive with acids.

## Section 11. Toxicological information

### Potential acute health effects

**Eyes** : Slightly irritating to the eyes.  
**Skin** : Slightly irritating to the skin.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

## Section 12. Ecological information

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...), phosphates. Some metallic oxides.

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	-

### APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

**HCS Classification** : Not regulated.  
**U.S. Federal regulations** : SARA 302/304/311/312 extremely hazardous substances: None.  
 SARA 302/304 emergency planning and notification: None.  
**TSCA 8(b) inventory** : All materials are listed or exempt.  
**California prop.** : No products were found.

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## Section 16. Other information

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	1
	<b>Fire hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal protection</b>	--

**Date of issue : 02-March-2005.**

**Responsible : Regulatory Affairs  
name**

**Date of previous : No Previous Validation.  
issue**

**Notice to reader**

**The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**