

Sollutine.™

Organic and
Biodegradable Disinfectant

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name

Sollutine Disinfectant

MARKETING OFFICE :

NIGHT SAKURA SDN BHD

3, JALAN AWF 2,

AMPANG WATERFRONT,

68000, AMPANG SELANGOR.

TEL : +6010-2698266 / +6010-9638266

LICENSED MANUFACTURER :

AD NANO TECHNOLOGY SDN.BHD.

No.42, Jalan SME 3,

Kawasan Perindustrian SME,

Bandar Indahpura,

81000 Kulai, Johor Darul Ta'zim,
Malaysia.

Tel: +607-6600 437

* Formulated by Altair International®, Phoenix,
Arizona. USA

2. HAZARDS IDENTIFICATION

CORROSIVE HAZARD = 0

FLAMMABLE HAZARD = 0

REACTIVE HAZARD = 0

TOXIC HAZARD = 0

General Safety Hazard Rating Scale

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme

3. COMPOSITION & FORMULATION

Proprietary non-ionic surfactant compound which complies with OSHA 29 CFR XVII-1910.1200 Section (i) "Trade Secrets". Contains NO HAZARDOUS INGREDIENTS under current OSHA definitions. Contents include: alkanolamines, amino acids, plant and vegetable extracts, non-ionic surfactants, plant based fatty acids in a base of colloidal micelles, water

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4. FIRST AID MEASURES

- EYES : Rinse thoroughly with water
- SKIN : Non-irritating. No first aid needed
- INGESTION : Non-toxic. No first aid needed
- INHALATION : Non-reactive. No first aid needed

5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA : Product does not burn
- GENERAL HAZARD : None
- SPECIFIC METHODS : Product can be used to extinguish fire

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTION : None needed. (Caution: Floor may be slippery)
- ENVIRONMENTAL PRECAUTION : None needed. Non-toxic, non-hazardous
- CLEANING-UP METHOD : Filter and reuse or dispose directly by flushing with water into sewer

7. HANDLING & STORAGE

- TECHNICAL MEASURES/PRECAUTION : Adequate normal ventilation
- SAFE HANDLING ADVICE : Avoid eye contact
- STORAGE CONDITIONS : Very low temperature may cause handling problems. Viscosity will increase. Product will freeze solid. Product will still be viable and fully usable after thawing.
- INCOMPATIBLE PRODUCTS : Non-reactive. No restriction.
- PACKING MATERIAL : No restriction.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

TECHNICAL MEASURES/PRECAUTION : Normal room ventilation

CONTROL PARAMETERS : None needed

PERSONAL PROTECTION EQUIPMENT

- Respiratory : None needed
- Eye : Light irritation. Rinse with water once contracted. Consult with doctors if irritation continues. Therefore, eye protection is an optional.
- Hand : None needed
- Hygiene Practices : Avoid eyes contact. Product is an excellent hand and body cleaner

9. PHYSICAL & CHEMICAL PROPERTIES

Form :	Slight viscous liquid	pH Value:	10.2
Odour:	Pleasant	Melting Point:	Not Applicable
Cloud Point:	10°C/ 50°F	Viscosity @25°C:	137 cps or 166.3 cs
Boiling Point:	100°C / 214°F	Electric Conductivity:	6500 micro-ohms
Freezing Point:	-1°C / 30°F	Flash Point:	None (Penske Martin Closed Cup)
Dielectric Strength:	1.5KV	Vapour Density:	0.623
Decomposition Temp:	higher than 349°C / 660°F	Water Solubility:	99.935%
Explosive Properties:	None	Specific Gravity:	1.017 @16°C
Vapour Pressure:	17.0mmHg @20°C	% Volatile by Volume:	0%
Relative Density:	0.96kg/L	VOCs:	None by USEPA methods 601, 602 and 603
Surface Tension:	29.5 dynes/cm @25°C		None by USEPA methods 8080, 8081, 8082
Evaporation Rate:	0.7 (butyl acetate=1)		
Colour:	Light Amber		

10. STABILITY & REACTIVITY

CONDITIONS TO AVOID : None. Product is stable and non-reactive

MATERIALS TO AVOID : None. Does not react with other compounds

HAZARDOUS DECOMPOSITION PRODUCTS : None. No decomposition occurring

11. TOXICOLOGICAL INFORMATION

➤ TOXICITY TEST METHODS :

Test methods used for the toxicity evaluations are those described in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (EPA/600/4-90/027F, USEPA EMSL, Cincinnati August 1993)*.

Specific tests performed were :

- 1) Acute 96-hour static renewal definitive toxicity test using fathead minnow (*Pimephales promelas*)

➤ END POINT OF TEST

The end point of the acute toxicity tests was the LC₅₀ or EC₅₀. This value represents a point estimate of the product concentration that would adversely affect 50 percent of the test organisms.

ACUTE TOXICITY : None

LOCAL EFFECTS : None

SPECIAL EFFECTS : None

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12. ECOLOGICAL REASONS

The product is non-toxic, non-hazardous, non-flammable and non-reactive. It is readily biodegradable, recyclable and very safe for the environment.

13. DISPOSAL CONSIDERATION

- Waste from residue/unused portion is recyclable after filtration
- Contaminated packaging: If recycling is not practical, dispose off in compliance with local laws and regulations
- Product may be disposed off directly in neat form
- Uncontaminated packaging may be rinsed with water and reused

14. TRANSPORT INFORMATION

Not classified as dangerous or hazardous in the meaning of transport regulations

15. REGULATORY INFORMATION

Meets or exceeds qualifications for:

- US EPA/600/4-90/027F USEPA EMSL Protocol for Aquatic Technology
- US OSHA 40-CFR Ch.1Subparts C & D 29-CFR ChXVII 1910.1200
- USDA A1 Category for safe cleaning in and around food preparation areas
- California SCAQMD Clean Air Solvents (Less than 25g/L VOC)
- US EPA 8080 & 8082 protocols for VOC testing
- Total petroleum hydrocarbons at zero per EPA Method 418.1
- Use to combat oil spills in the sea

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.

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