



TOLAS INTERNATIONAL TRADING CO., LTD.

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MATERIAL SAFETY DATA SHEET

TS-52

Section 1 - Chemical Product and Company Identification

Product Name:	TS-52
Chemical Description:	WAX AND SURFACTANTS BLEND
Company Identification: (TAIWAN)	TOLAS INTERNATIONAL TRADING CO., LTD. 22F-2, NO. 38, LONG AN RD., XIZHI DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.
Company Identification: (CHINA)	C&D INTERNATIONAL CO., LTD. (SHANGHAI) ROOM 301-306, TOWER 5, NO. 21, LANE 28, DAN BA ROAD, SHANGHAI, CHINA
For information in TAIWAN, call:	+886-2-2647-1135
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Section 2 - Composition, Information on Ingredients

Hazard Symbols:	None listed
Risk Phrases:	None listed

Section 3 - Hazards Identification

No hazard classification according to EU Guidelines

Section 4 - First Aid Measures

Inhalation:	Move to fresh air, Seek medical attention if you feel unwell or if exposure prolonged.
Eyes:	Rinse immediately with plenty of water for at least 10 minutes.
Skin:	Just wash thoroughly with soap and plenty of water
Ingestion:	Wash out mouth with water. Drink plenty of water.
Advice for the Doctor:	Symptomatic treatment.

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:	In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Sweep up, then place into a suitable container for disposal.
Environmental Precautions:	No special precautions

Section 7 - Handling and Storage

Occupational Hygiene:	Avoid ingestion, inhalation, eye contact. Handle in accordance with good industrial hygiene practice and any legal requirement.
Fire Precautions:	No special measures required.
Storage Facilities:	Store in a cool, dry area with adequate ventilation.
Segregation:	No special precautions.
Storage conditions:	Keep containers closed.

Section 8 - Exposure Controls, Personal Protection

Personal Protective Equipment

Eyes:	Wear safety glasses and chemical goggles if splashing is possible.
Skin:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing:	Not available
Respirators:	Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.
Engineering Controls:	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Section 9 - Physical and Chemical Properties

Appearance:	White to pale yellow flake wax
Solids: (2 Hours, @ 105°C)	More than 75%
Melt Range:	48 ~ 58°C
pH: (1%water soluble, @25°C)	6.0 ~ 8.0
Solubility In Hot Water:	Soluble

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	None.
Materials to Avoid:	None.
Thermal Decomposition:	Not applicable
Hazardous Decomposition:	None under normal storage conditions

Section 11 - Toxicological Information

Primary Irritation Tested In Rabbits:	Skin & Eye: Non-irritant
Adverse effects in man:	Inhalation of high vapor concentration may irritate eyes, nose and respiratory tract.
Additional Information:	The toxicological data is based on the known properties of the components.

Section 12 - Ecological Information

The product is soluble in water, therefore, Ecological tests cannot be conducted.

Water Pollution Class(HGK): 0-not generally hazardous to water(own classification)(HGK)=Classification in accordance with the German Water Resources Act.

Product does not add to the AOX-value of the sewage, (CIN 38402)

Section 13 - Disposal Considerations

Waste Classification: Incineration, landfill. Observe local regulations.

Contaminated Packaging: Contaminated, empty containers must be disposed of as chemical waste.

Section 14 - Transport Information

GGV See/IMDG Code: Not subject to IMDG Code

PG : --

MPO : --

GGVE/GGVS: Class - No. -

RIO/ADR: Class - No. -

AONR: Class - No. -

ICAD/IAT-DGR: not restricted

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information: No dangerous cargo

Section 15 - Regulatory Information

CLASSIFICATION AND LABELLING

Symbol and classification: Not classified as hazardous

Other information: No labeling is required in accordance with the EEC directives

Section 16 - Other Information

MSDS Creation Date: 01/28/2018

Revision #0 Date: Original.

Person Responsible for Preparation: Lin Yuen Hao

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