



SAFETY DATA SHEET

ISSUE DATE : 03/11/2017
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TRADE NAME
REDUCTION AGENT SH-1000

1. IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

IDENTIFICATION OF THE SUBSTANCE/ PREPARATION

Chemical description Reduction Agent
 Nonionic

USE OF THE SUBSTANCE/ PREPARATION

Industry sector Textile Processing Industry
Type of use Textile Auxiliaries

IDENTIFICATION OF COMPANY

Supplier Rainbow Chemical Co., Ltd.
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2. HAZARDS IDENTIFICATION

According to the present state of knowledge, provided that this product is handled correctly, there is no known danger to human.

Label Element



Signal Word : WARNING

H302	Harmful if swallowed in large quantity
H315	May cause skin irritation
H320	May cause eye irritation



3. COMPOSITION/ INFORMATION ON INGREDIENTS

Information on Ingredients

Thiourea Dioxide	
Concentration	20%
CAS Number	1758-73-2

4. FIRST-AID MEASURES

After Inhalation	Immediately seek fresh air after inhaling of dust, vapour or aerosol
After contact with skin	In case of contact with skin wash off immediately with plenty of water
After contact with eye	Immediately rinse eyes with running water and seek medical advice
After Ingestion	If swallowed seek medical advice immediately

5. FIRE-FIGHTING MEASURES

Suitable extinguisher media	All
Extinguishing media that must not be used for safety reasons	No restrictions
Protective device or for firefighting	Use suitable respiratory equipment
Further information	This product is not combustible

6. ACCIDENTAL RELEASE MEASURES

Method for cleaning up/taking up	Pick up with absorbent material (eg. sand, sawdust). Rinse away rest with water.
Additional information	Do not let the liquid drain into rivers, ponds or sewer systems

7. HANDLING AND STORAGE

Instruction for safe handling	Use only with adequate ventilation and proper eyewear, gloves and rest with water
Instruction about protection against fire and explosions	No special measures required
Demands on store room and container	No special measures required
Storage stability	6 months
Further information about storage conditions	Keep the container tightly closed

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory protective	Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure
Hand protection	Use Gloves



Eye protection	Safety goggles
Body protection	Working clothes

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Powder
Odour	Mild
pH value (1%)	2.5-3.5
Melting point	Not determined
Boiling point	$\geq 95^{\circ}\text{C}$
Solubility in water	About 30g/l (25°C)
Flash point	No flash point till boiling point

10. STABILITY AND REACTIVITY

Dangerous/ Hazardous reaction	No hazardous reaction known
Dangerous/ Hazardous decomposition product	None

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (LC_{50} 4 Hours TEST IN MICE)	Not determined
Acute oral toxicity (LD_{50} TEST IN RABBIT)	>2000mg/l
Irritant effect on skin	Not determined
Irritant effect on eye	Not determined

12. ECOLOGICAL INFORMATION

Fish Toxicity (LC_{50})	> 100mg/l
Aquatic Invertebrates (EC_{50})	Not determined
Bacteria Toxicity	Not determined
Chemical Oxygen Demand	Not determined
Biological Oxygen Demand	Not determined

13. DISPOSAL CONSIDERATIONS

Product	Dispose of in accordance with local regulations
Uncleaned Packaging	Consider recycling

14. TRANSPORT INFORMATION

Emergency Dial	+886 26726565
IATA	Not restricted
IMDG	Not restricted

15. REGULATORY INFORMATION

Risk phrase	R36/38 - Irritating eyes and skins
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Safety phrase

S25 - Avoid contact with eyes

S26 – In case of contact with eyes, rinse with plenty of water immediately and seek medical advice



16. OTHER INFORMATION

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