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MATERIAL SAFETY DATA SHEET MSDS NO. STW 060

Issued: 9 June 2006

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WATER BASED RUST PREVENTIVE WRP025/WRP050/WRP050-CL

COMPANY NAME: HI-TECH INTERNATIONAL

MATERIAL SAFETY DATA SHEET

Review Date: 17/02/2006

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: WATER BASED RUST PREVENTIVE 135A M

MSDS NUMBER: STW060

PRODUCT CODE(S): 135A M

PRODUCT USE: RUST PREVENTIVE

MANUFACTURER ADDRESS: HI-TECH INTERNATIONAL, INDIA.

TELEPHONE NUMBERS

Spill Information: 0161 3250700, 2678898

Health Information: 0161 3250700, 2678898

MSDS Assistance Number: 0161 3250700, 2678898

SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS	Rust Inhibitor
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Fluid Mixture: Polymer Product 50-80%

VCI Chemicals: Upto 10%

Water

Cleaning Agents

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Transparent to slight yellow liquid.

Health Hazards: May be harmful or fatal if swallowed. Do not induce vomiting.
May cause aspiration pneumonitis.

Physical Hazards: No known physical hazards.

Route(s) of Exposure: Eye, Inhalation, Skin

Inhalation:

Non-Volatile. Doesnot form vapours at room temperature.

Upon combustion during welding processes, this will generate only carbon dioxide and water vapours which donot have any harmful impact.

Eye Irritation:

Direct contact with the eye masdy cause slight irritation to the eyes. Flush thoroughly with water in case of contact with the eyes.

Skin Contact:

This material is neutral to the skin. May be irritating to very sensitive skin.

Ingestion:

This material may be harmful or fatal if swallowed. Ingestion may result in vomiting; aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis. Generally considered to have a low order of acute oral toxicity.

SECTION 4 FIRE FIGHTING MEASURES

Flash Point [Method]: 200 C
Upper Flammability Limit: Not Determined
Lower Flammability Limit: Not Determined

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:

CAUTION! May degrade and burn although not ignitable. Eliminate potential sources of ignition. Handling equipment must be bonded and grounded to prevent sparking.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Remove contaminated soil to remove contaminated trace residues. Dispose of in same manner as material.

Reporting:

Local Firestation Phone 101

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. CAUTION! COMBUSTIBLE. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Handling:

Surfaces that are sufficiently hot may ignite liquid material.

Air-dry contaminated clothing in a well-ventilated area before laundering.

Storage:

Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

Keep liquid and vapor away from heat, sparks and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors have dissipated. Use explosion-proof ventilation indoors and in laboratory settings.

Container Warnings:

Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

Adequate explosion-proof ventilation indoors and in laboratory settings to control airborne concentrations below the exposure guidelines/limits. Eye washes and showers for emergency use.

PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:

Chemical Goggles - If liquid contact is likely., or Safety glasses with side shields

Skin Protection:

Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:

Neoprene, or Nitrile Rubber

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:

For Mist: Air Purifying, R or P style NIOSH approved respirator.

For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Transparent to Pale Yellow Liquid.

Substance Chemical Family: Water based lubricants

Physical State: Liquid
Appearance: Transparent to Yellow Liquid.

Flash Point: 200 °C

Physical State: Liquid

Solubility (in Water): Negligible

Specific Gravity: 1.10

Viscosity: < 20 cSt @ 40 °C

Odor Threshold: Not Determined
Partition Coefficient: Not Determined
pH: 8-9

SECTION 10 REACTIVITY AND STABILITY

Stability:
Material is stable under normal conditions.

Conditions to Avoid:
Avoid heat and open flames.

Materials to Avoid:
Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. However, the main products produced on combustion include carbon dioxide and water vapours.

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity Classification

Rust Inhibitor Fluid

NTP: No IARC: Not Reviewed by IARC ACGIH: No OSHA: No

Carcinogenicity

Contains middle distillates. Non-carcinogenic. Gloves are recommended to avoid long term skin exposure.

Genotoxicity

A closely related component middle distillate component did not cause detectable mutations in two different in vivo (live animal) studies. Some evidence of genotoxicity was seen in separate in vitro (test tube) studies,

usually in cases where the test material was metabolically activated.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bio-accumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest state and local regulations regarding proper disposal.

SECTION 15 REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:

Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200. WHMIS Classification: Class B3

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Ozone Depleting Substances (40 CFR 82 Clean Air Act):

This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):

Immediate Health: YES Delayed Health: YES Fire: YES Pressure: NO
Reactivity: NO

SARA Toxic Release Inventory (TRI) (313):

There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status:

All component(s) of this material is(are) listed on the EPA/TSCA Inventory of

Chemical Substances.

Other Chemical Inventories:

Component(s) of this material is (are) listed on the India, Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Korean Inventory, Philippines PICCS.

State Regulation

For details on your regulation requirements you should contact the appropriate agency in your state.

SECTION 16 OTHER INFORMATION

Revision#: 0

Review Date: 17/02/2005

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Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been created to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2003). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17 LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD

COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.