Test Report

Report No.: GR:GL: 9210036515 Date: 30.11.2009 Page 1 of 5
Report control No. 9215037878

COMPANY NAME : M/S HI – TECH INTERNATIONAL
B-31, Behind Braille Bhavan,
Chandigarh Road, Ludhiana
Punjab.

The following sample was submitted and identified by/on behalf of the client.

SGS Job No.	:	9210036515
Product Name	:	RUSTX VCI RUST PREVENTIVE OIL
Batch No.	:	N.A.
Country of Origin	:	INDIA
Sample Receiving Date	:	30.11.2009
Testing Period	:	30.11.2009 – 09.12.2009
Test Requested	:	Fifteen (15) Substances of Very High Concern (SVHC), screening based on the candidate list published by European Chemicals Agency (ECHA) on October 28, 2008 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test result	:	Refer to next pages for detail.
Test Summary	:	According to the specified scope and analytical techniques, concentrations of all 15 SVHC are <0.1% in the submitted sample.

Signed for and on behalf of
SGS India Pvt. Ltd., Gen. Lab,
Gurgaon

Name:
Designation:

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.
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Test Sample:

Sample Description: RUSTX VCI RUST PREVENTIVE OIL

The sample was tested as received basis.

Test Method:

SGS in house method was developed with reference to USEPA 3051A, USEPA 3052 & USEPA 8270D and sample is analysed by ICP/MS, GC/MS & GC/ECD.

Test Results:

Test method: SGS in-house method (extraction by organic solvent, analysis by GC-MS and GC-ECD)

Substance Name	CAS number	Concentration (%)	Reporting Limit (%)	Classification*
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	ND	0.005	PBT
Anthracene	120-12-7	ND	0.005	PBT
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	Toxic to Reproduction Category 2
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	ND	0.005	Toxic to Reproduction Category 2
4,4'-Diaminodiphenylmethane	101-77-9	ND	0.005	Carcinogen Category 2
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	Toxic to Reproduction Category 2
Hexabromocyclododecane (HBCDD)	25637-99-4	ND	0.005	PBT
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	ND	0.005	vPvB

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Test method: SGS in-house method (Acid digestion, analysis by ICP-MS and AAS)

Substance Name	CAS number	Concentration (%)	Reporting Limit (%)	Classification*
Bis(tributyltin)oxide** (TBTO)	56-35-9	ND	0.05	PBT
Cobalt dichloride** ($CoCl_2$)	7646-79-9	ND	0.05	Carcinogen Category 2
Diarsenic pentaoxide** (As_2O_5)	1303-28-2	ND	0.05	Carcinogen Category 1
Diarsenic trioxide** (As_2O_3)	1327-53-3	ND	0.05	Carcinogen Category 1
Lead hydrogen arsenate** ($PbHAsO_4$)	7784-40-9	ND	0.05	Carcinogen Category 1; Toxic to Reproduction Category 1
Sodium dichromate** ($Na_2Cr_2O_7$)	10588-01-9	ND	0.05	Carcinogen Category 2; Mutagen Category 2; Toxic to Reproduction Category 2
Triethyl arsenate** ($AsO(C_2H_5O)_3$)	15606-95-8	ND	0.05	Carcinogen Category 1

Remarks:

1. *Definition of classification is listed in Appendix A of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.

2. **Calculated concentration of bis(tributyltin)oxide, cobalt dichloride, diarsenic pentaoxide, diarsenic trioxide, sodium dichromate, lead hydrogen arsenate and triethyl arsenate are based on the selected elements results. In case of positive result found over the reporting limit, identity of above metal substances present in the article has to be further confirmed.

3. ND = denoted as below the corresponding reporting limit.

4. 0.1% (w/w) = 1000 ppm = 1000 mg/Kg.

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Abbreviations:

AAS: Atomic Absorption Spectroscopy; ECD: Electron Capture Detector; GC: Gas Chromatography; ICP: Inductively Coupled Argon Plasma; MS: Mass Spectrometry;

Appendix A

Classification	Definition under 67/548/EEC and Regulation (EC) No 1907/2006
Carcinogen Category 1:	Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2:	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of: - appropriate long-term animal studies - other relevant information.
Mutagen Category 1:	Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
Mutagen Category 2:	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of: - appropriate animal studies, - other relevant information.
Toxic to Reproduction Category 1:	Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.
Toxic to Reproduction Category 2:	Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: - clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects, - other relevant information. Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: - clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which

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are not a secondary non-specific consequence of the other toxic effects,
- other relevant information.

PBT & vPvB: Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a “safe” concentration in the environment cannot be established with sufficient reliability.

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