



TEST RAPORU

İş No./Rapor No TR289857 R1 Tarih:8 September 2011 Sayfa 1 of 8

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Ürünler müşteri adına tanımlanıp aşağıdaki gibi düzenlenmiştir:

Numune No.	Numune Tanımı
A	Süper Japon Yapıştırıcı (FY 555)

Müşteri Referans No : TR 289857
Alıcı : Hardline
Referans No. : FY-15 , FY-30
Üretici : FIMA KIRTASIYE
Numunenin Alındığı Tarih : 1 August 2011
Test Süresi : 24 August 2011 ~ 31 August 2011
Genel Sonuç : Sonuçları Kontrol Ediniz
Test Sonuçları : Lütfen Diğer Sayfaları Kontrol Ediniz
Gerçekleştirilen Testlerin Özeti Seçilen testler müşterinin standardına bağlı olarak müşteri tarafından istenmiştir.

CTSL-F-5.10-1NF/31.03.2011/Rev.1

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Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
1. To determine Volatile Organic Compounds (VOCs) Screening by Semi-quantitative Method.	--
2. Identification of Carcinogenic, Mutagenic, Reprotoxic (CMR) compounds from Volatile Organic Compounds (VOCs) Screening.	--

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The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.
Reported results do not include uncertainties.

THIS REPORT SUPERSEDES OUR REPORT NO: 289857 DATED 05.09.2011

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd
Kontrol Servisleri A.Ş.

Neslihan Erol
Assistant Customer Service Manager

Ayşe Çimen
Customer Services Manager



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Detail Test Result:#

Test Results :

1 & 2. To determine Volatile Organic Compounds (VOCs) Screening by Semi-quantitative Method. & Identification of Carcinogenic, Mutagenic, Reprotoxic (CMR) compounds from Volatile Organic Compounds (VOCs) Screening.

Method : 1) Analysis was performed by Headspace Gas Chromatography Mass Spectrometry against NIST Library.
2) With reference to 67/548/EEC Annex I.

Test Item	CAS No.	Results (mg/kg)	Classification
		1	
Ethyl Alcohol	64-17-5	10	F; R11
Methylene Chloride	75-09-2	4.5	Carc. Cat. 3; R40
2-Propenenitrile	107-13-1	17	F; R11 Carc. Cat. 2; R45 T; R23/24/25 Xi;R37/38-41 R43 N;R51-53
2-Propenoic Acid, 2-Methyl-, Methyl Ester	80-62-6	27	F; R11 Xi;R37/38 R43
Triethyl Phosphate	78-40-0	8.5	Xn; R22
Butanedioic Acid, Diethyl Ester	123-25-1	5.7	NA

Sample Description :

1. Transparent Liquid

- Note :
1. Compounds are identified when the signal to noise ration > 3 and the quality value > 80 .
 2. Concentration calculation based on semi-quantitative GCMS analysis against internal standard concentration.
 3. mg/kg = milligram per kilogram
 4. NA = Not applicable
 5. Please refer to Appendix A for the basis of CMR classification against 67/548/EEC and possible CMR compounds of the identified positive heavy metals and elemental compounds listed.
 6. Although the above screening methods cannot detect the entire list of category 1, 2 & 3 CMR under 67/548/EEC, these are the most practical screening techniques available for chemical compounds identification.
 7. Upon availability of technology, further qualitative and quantitative verification is recommended.

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Appendix A

Basis for Carcinogen, Mutagen and Toxic to Reproduction (CMR) Classification under 67/548/EEC

Carcinogen Category 1:	<u>Substances known to be carcinogenic to man.</u> There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2:	<u>Substances which should be regarded as if they are carcinogenic to man.</u> 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.
Carcinogen Category 3:	<u>Substances which cause concern for man owing to possible carcinogenic effects but in respect of which the available information is not adequate for making a satisfactory assessment.</u> There is some evidence from appropriate animal studies, but this is insufficient to place the substance in Category 2.
Mutagen Category 1:	<u>Substances known to be mutagenic to man.</u> There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
Mutagen Category 2:	<u>Substances which should be regarded as if they are mutagenic to man.</u> 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.
Mutagen Category 3:	<u>Substances which cause concern for man owing to possible mutagenic effects.</u> There is evidence from appropriate mutagenicity studies, but this is insufficient to place the substance in Category 2.
Toxic to Reproduction Category 1	<u>Substances known to impair fertility in humans.</u> There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. <u>Substances known to cause developmental toxicity in humans.</u> There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.

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Basis for Carcinogen, Mutagen and Toxic to Reproduction (CMR) Classification under 67/548/EEC

<p>Toxic to Reproduction Category 2</p>	<p><u>Substances which should be regarded as if they impair fertility in humans.</u> There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of:</p> <ul style="list-style-type: none"> - 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. <p><u>Substances which should be regarded as if they cause developmental toxicity to humans.</u> 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:</p> <ul style="list-style-type: none"> - 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 are not a secondary non-specific consequence of the other toxic effects, - other relevant information.
<p>Toxic to Reproduction Category 3</p>	<p><u>Substances which cause concern for human fertility.</u> Generally on the basis of:</p> <ul style="list-style-type: none"> - results in appropriate animal studies which provide sufficient evidence to cause a strong suspicion 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 non-specific consequence of the other toxic effects, but where the evidence is insufficient to place the substance in Category 2 - other relevant information. <p><u>Substances which cause concern for humans owing to possible developmental toxic effects.</u> Generally on the basis of:</p> <ul style="list-style-type: none"> - results in appropriate animal studies which provide sufficient evidence to cause a strong suspicion of developmental toxicity in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects, but where the evidence is insufficient to place the substance in Category 2, - other relevant information.

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Indication of Particular Risks

Abbreviation / Risk Phrase (R)	Description of Hazard
F	Highly Flammable – Chemicals that may catch fire in contact with air, only need brief contact with an ignition source, have a very low flash point or evolve highly flammable gases in contact with water.
T	Toxic – Chemicals that at low levels cause damage to health.
N	Environmental Hazard
Xn	Harmful – Chemicals that may cause damage to health.
Xi	Irritant – Chemicals that may cause inflammation to the skin or other mucous membranes.
Carc. Cat 2	Substances known to be carcinogenic to man
Carc. Cat 3	Substances which should be regarded as if they are carcinogenic to man
R11	Highly flammable
R22	Harmful if swallowed
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R37/38	Irritating to respiratory system and skin
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
R43	May cause sensitization by skin contact
R45	May cause cancer
R51	Toxic to aquatic organisms
R52	Harmful to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment

#This test was performed at SGS Hong Kong as subcontact.

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* * * End of Test Report * * *

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