

	Safaty Data Shaat	
	Safety Data Sheet	
1. Identification		
Product name	N-Ethylaniline	
Product code	EA	
Manufacture name	Mitsuboshi Chemical Co., Ltd.	
Address	14 Kitanoharacho, Kamigamo Kita-ku Kyoto, 603-8006,	
	Japan	
Contact	Development and Technical Division	
Telephone number	075-781-1177	
Emergency telephone number	075-781-1177	
FAX number	075-701-7227	
2. Hazards identification		
GHS classification		
Physical hazards		
Flammable liquid	Category 4	
Health hazards		
Acute toxicity (oral)	Category 4	
Acute toxicity (dermal)	Category 5	
Skin corrosion stimulant	Category 2	
Serious eye damage /eye- irritation	Category 2A	
Specific target organ	Category 1(blood)	
toxicity (single exposure)		
Specific target organ	Category 1(blood)	
toxicity (repeated		
exposure)		
Environmental hazards		
Aquatic environmental	Category 2	
toxicity (acute)		
Aquatic environmental	Category 2	
toxicity (chronic)		
GHS label elements		
Pictograms and hazard	\wedge \wedge	
symbol		
Signal word	Danger	
Hazard statement	Combustible liquid	
hazard statement	Hramful if swallowed	
	May be harmful in contact with skin	
	Causes skin irritation	
	Causes serious eye irritation	
	Causes serious eye initiation Causes damage to oragan (blood system)	
	Cause damage to organs through prolonged or repeated	
	exposure (blood system)	

	Toxic to aquatic life with long lasting effects.
Precautionary statement	
Safety measure	Keep away from heat/sparks/open flames/hot surfaces No smoking.
	Wear protective gloves/protective clothing/eye
	protection/face protection.
	Do not breathe dust/fume/gas/mist/vapours/spray
	Do not eat, drink or smoke when using this product.
	C I
	Wash hands thoroughly after handling.
	Avoid release to the environment.
First aid	In case of fire: Use for extinction: CO ₂ , powder or water
	spray.
	IF SWALLOWED: Call a POISON CENTER or
	doctor/physician if you feel unwell.
	IF ON SKIN: Wash with plenty of soap and water.
	IF IN EYES: Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue
	rinsing.
	IF exposed: Call a POISON CENTER or doctor/physician.
	Call a POISON CENTER or doctor/physician if you feel
	unwell.
	Rinse mouth.
	If skin irritation occurs: Get medical advice/attention.
	If eye irritation persists: Get medical advice/attention.
	Take off contaminated clothing and wash before reuse.
	Collect spillage.
Storage	Store in a well-ventilated place. Keep cool.
C C	Store locked up.
Disposal	Dispose of contents/ container to an approved waste
	disposal plant.
3. Composition / Information on	
Ingredients	
Substance/ Mixture	Substance
Component name	N-Ethylaniline
Other names	N-Ethylaminobenzene
Calor Harries	N-Ethyl-phenyl amine
Molecular formula	C ₈ H ₁₁ N
CAS number	103-69-5
-	
Content	≧99.0%
4. First-aid measures	
If inhaled	Remove victim to fresh air and keep at rest in a position
	comfortable for breathing. Get medical advice/ attention if
	you feel unwell.
	Get medical advice/attention.
lf on skin	Take off immediately all contaminated clothing.

	Rinse skin with water/shower.
	Wash with plenty of soap and water.
	If skin irritation or a rash occurs: Get medical advice/attention.
	Get medical advice/attention if you feel unwell.
	Wash contaminated clothing before reuse
If in eyes	Rinse cautiously with water for several minutes. Remove
1 11 Oy00	contact lenses if present and easy to do – continue rinsing.
	If eye irritation persists get medical advice/attention.
If swallowed	Immediately call a POISON CENTER/doctor.
ii swallowed	Rinse mouth.
	Get medical advice/attention if you feel unwell.
5. Fire-fighting measures	
Extinguishing Media	Water splay, Foam fire extinguisher, Extinguishing powder,
5 5	Carbon dioxide
Inappropriate fire extinguisher	Water splash
Specific hazard	In the case of a fire hazardous substances can be released.
Specific fire extinguishing method	Cool surrounding containers with water spray.
	If possible, take container out of dangerous zone.
	Heating causes a rise in pressure, risk of bursting and
	explosion.
	Shut off sources of ignition.
Protective equipment	Wear self-contained breathing apparatus and special tightly
	sealed suit.
6. Accidental release measures	
Emergency measures	Wear suitable protective wear and avoid contact and
	breathing fume /gas /mist / spray (see chapter "8.Exposure
	control/Personal Protection").
	control/Personal Protection"). Afterwards ventilate area and wash spill site.
Precautions for environment	,
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	4 / 6	N-Ethylanilin
Lower/upper explosion limit	1.6 \sim 9.5 vol%(in the air) (GESTIS)	
Flammability	Yes	
Boiling point	204.5 °C (HSDB)	
Melting point	-63.5°C (HSDB)	
Odor	Irritating odor like aniline	
Color	pale yellow or pale brown	
Physical state	Liquid	
. Physical and chemical properties		
	Wash hands thoroughly after handl	•
Hygiene	Do not eat, drink or smoke when us	sing this product
	a suitable chemical protection suit.	
Body protection	Depending on the risk, wear a suita	hle protective clothing or
Eye protection	Wear glasses with side protection.	
ו ומוים איטנבטוטו	rubber	Joan Don Tubber, Dulyi
Hand protection	Wear suitable gloves made of fluor	
Personal protection Respiratory protection	Wear suitable respiratory protection	(e.a. aas filter)
Personal protection	Ventilation system should be equip	ped in working place.
Equipment	Washing facility at the workplace re	•
ACGIH	No setting	au ire d
Health		
Japan Society for Occupational	No setting	
The limit value	NI W	
Control concentration	No setting	
protection		
B. Exposure control / Personal		
Container	Store in a container that is suitable	for local law.
	Store locked up.	
	ventilated place.	
	Keep container tightly closed in a α	ool, dry and well-
	Keep away from strong acids.	
	Keep away from strong oxidizing a	gents.
Condition	Keep away from flames or heat.	
Contact prohibited substance	Refer to Section "10. Stability and re	eactivity".
	Substance is sensitive to air, protec	t from air/oxygen.
	Substance is sensitive to light, prote	ect from exposure to light.
	ventilated place.	
Storage condition	Keep container tightly closed in a α	ool, dry and well-
Storage		•
Avoidance of contact	Refer to the section "10. Stability an	nd Reactivity".
	Wash contaminated clothing before	e reuse.
	Wear respiratory protection.	
	face protection.	
	Avoid release to the environment. Wear protective gloves/ protective of	Nothing/eve protection/

Flack point	$0.1^{\circ}C$ (our company is data, open our)
Flash point	91°C (our company's data, open cup) 480°C
Ignition point Decomposition temperature	No data
pH	No data
Viscosity	No data
Solubility	$0.24 \text{ g/100 ml}(25^{\circ}\text{C})$ (water) (HSDB)
Partition Coefficient (octanol/water)	Log Pow=2.16 (GESTIS)
Vapor pressure	$4*10^4$ MPa (ICSC)
Density(密度)	0.96 g/ml (20°C)
Vapor density(air=1)	4.2
10. Stability and reactivity	4.2
Stability	Stable if stored and handled according to law regulations.
Reactivity	React with strong oxidizing agents, conc.nitric acid. The
Reactivity	explosive gas may be generated above 85°C, if mixed with
	air.
Conditions to avoid	Contact with naked flame.
Substance to avoid contact	Strong oxidizing agents, conc. Nitric acid
Decomposition products	Combustion causes releasing of nitrous gases or aniline etc.
11. Toxicological information	
Acute toxicity	
Oral	Category 4 : LD50 Rat 334 mg/kg
Dermal	Category 5 : LD50 Rat 4,700 mg/kg
Doma	Category of Eboor fact, not might
Skin corrosion / irritation	Category 2 : The symptoms of "red " and "pain" is described
	in ICSC.
Serious eye damage / eye irritation	Category 2A : From the information of skin corrosion, this
	product is considered to have irritation to eyes, too.
Specific target organ toxicity (single	Category 1 (blood) : The substance may cause effects on
exposure)	the blood. The contact may result in the formation of
	methaemoglobin (ICSC).
Specific target organ toxicity (repeated	Category 1 (blood): The substance may cause effects on
exposure)	the blood. The contact may result in the formation of
. ,	methaemoglobin (ICSC).
12. Ecological information	
Hazardous to the aquatic environment	Category 2 : 48-hour EC50 = 4.34 mg/L(Daphnia magna)
(Acute)	
Hazardous to the aquatic environment	Category 2 : Not rapidly degradable (Non-biodegradable, a
(Long-term)	degradation rate by BOD: 0% (Biodegradation and
	Bioconcentration Results of Existing Chemical Substances
	under the Chemical Substances Control Law, 1977)), and
	21-day NOEC = 0.54 mg/L for crustacea (Daphnia magna)
	(Results of Aquatic Toxicity Tests of Chemicals conducted by
	Ministry of the Environment in Japan (Ministry of the
	Environment, 2001), Environmental Risk Assessment for
	Chemical Substances vol. 6 (Ministry of the Environment,

	2008)).
Hazardous to the ozone layer	Classification not possible : No data available.
13. Disposal consideration	
Residual waste	For disposal, follow relevant regulations and local authority standards.
	Dispose of contents / container by a special waste disposal contractor who received permission from the local governor When consigning waste to a contractor, be sure to provide
	sufficient notice of hazards and toxicity.
Contaminated packaging	Containers should be cleaned and recycled, or appropriate
	disposal according to relevant laws and local government standards.
	When empty containers are discarded, contents should be
	completely removed.
4. Transport information	
International regulations	
UN No.	2272
Proper Shipping Name	N-ETHYLANILINE
Class	6.1
Packing Group	
Marine Pollutant	Applicable
Domestic regulations	Refer to applicable laws and regulations in an imported
	country.
5. Regulatory information	-
PRTR(Japan)	Classification : II, Cabinet order No. : 2-9,Cabinet order name : N-Ethylaniline
Poisonous and deleterious	Classification : deleterious substance (cabinet order),
substances control act	Cabinet order No.: Article 2-1-5 of Cabinet order, cabinet
	order name : N-Alkylaniline and its salts
Fire service act	Class-4 No.3 petroleums, not water-soluble fluid, dangerou

Regulatory information with regard to this substance in your country or region should be examined by your own responsibility.

16. Other information	
References	The data origins are described by the side of the information.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling please make adequate countermeasure to maintain your safety.