

02236-2020

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SAFETY DATA SHEETLATEST REVISION DATE:
PRINT DATE:1/Mar/2020
17/Mar/2020**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: NN11
 GENERAL USE: WATER BASED INK FOR GEL INK BALLPEN (BLACK)
 MANUFACTURE'S NAME: OHTO Co.,Ltd
 COMPANY ADDRESS: 364-1 Namiki-nishi Hokunanmoro
 Yuuki-City Ibaraki-Pref ,307-0036 Japan
 COMPANY PHONE NUMBER: +81-296-35-2311
 COMPANY FAX NUMBER: +81-296-35-2319
 INFORMATION E-MAIL: to-kashimura@ohto.co.jp

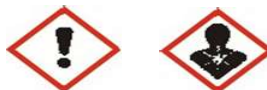
2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION
 PHYSICAL HAZARDS;
 HEALTH HARARDS;

Acute toxicity (oral);
 Acute toxicity (Dermal);
 Acute toxicity (Inhalation:gases);
 Acute toxicity (Inhalation:vapours);
 Acute toxicity (Inhalation:dusts and mists);
 Skin corrosion/ irritation;
 Serious eye damage/ eye irritation;
 Respiratory sensitization;
 Skin sensitization;
 Germ cell mutagenicity;
 Carcinogenicity;
 Reproductive toxicity;
 Specific target organ toxicity single exposure;
 Specific target organ toxicity repeated exposure;
 Aspiration hazards;
 ENVIRONMENTAL HAZARDS;
 Hazardous to the aquatic environment(acute);
 Hazardous to the aquatic environment(long term);
 Hazardous to the ozone layer;

Classification not possible
 Classification not possible
 Classification not possible
 Not applicable
 Classification not possible
 Category4
 Classification not possible
 Category2A
 Classification not possible
 Classification not possible
 Classification not possible
 Classification not possible
 Classification not possible
 Category 1
 Classification not possible
 Classification not possible
 Classification not possible

GHS LABEL ELEMENTS;
 PICTOGRAMS;



SIGNAL WORD;
 HAZARD STATEMENT;

Warning
 Causes eye irritation. H320
 Harmful if inhaled H322
 Causes damage to organs (central nervous system, blood system, kidney) H370

PRECAUTIONARY
 STATEMENT;

If inhaled, remove person to fresh air and keep comfortable for breathing.
 If in eyes, rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do.Continue rinsing.
 If exposed or concerned, Call a POISON CENTER/doctor.
 If you feel unwell, Call a POISON CENTER/doctor.
 If eye irritation persists, Get medical advice/attention.

OTHER HAZARDS;

No data available.

3. COMPOSITION , INFORMATION ON INGREDIENTS

CHEMICAL NAME: Mixture.

COMMON NAME: Water based ink for gel ink ball pen (Black)

COMPONENT	GHS CLASSIFICATION	CAS No.	EC No.	%WT
1 . Direct Black 19	Not classified	6428-31-5	229-208-1	< 7%
2 . Ethylene glycol	Acute toxicity (Inhalation: Dusts and mists) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2B Specific target organ toxicity - Single exposure Category 1	107-21-1	203-473-3	< 15%

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3 . Triethylene glycol	Not classified	112-27-6	203-953-2	< 6%
4 . Glycerol	Not classified	56-81-5	200-289-5	< 15%
5 . Xanthan gum	Not classified	11138-66-2	234-394-2	< 0.5%
6 . 1H-Benzotriazole	Acute toxicity (oral) Category 4 Acute toxicity (Inhalation:dusts and mists) Category 4 Serious eye damage/ eye irritation Category 2 Specific target organ toxicity single exposure Category 2/3	95-14-7	202-394-1	< 0.2%
7 . Non-ionic surfactant	not classified	CBI	CBI	< 0.5%
8 . 1,2-Benzisothiazolin-3-one	Acute toxicity (oral) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Sensitization, Skin Category 1A Specific target organ toxicity - Single exposure Category 2	2634-33-5	220-120-9	< 0.03%
9 . Water	Classification not possible	7732-18-5	231-791-2	-

4. FIRST AID MEASURE

EYE CONTACT:	Wash eyes immediately with large amounts of water for at least 15minutes. If irritation persists, obtain medical advise immediately.
SKIN CONTACT:	Wash with water and soap or mild detergent. If irritation persists, obtain medical advise immediately.
INHALATION:	Remove person to fresh air and keep comfortable for breathing. If you feel unwell, Call a POISON CENTER/doctor.
INGESTION:	Never give anything by mouth to an unconscious person. Get medical aid. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cups of milk or water.

5. FIRE FIGHTING MEASURES

HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , NO _x and SO _x
EXTINGUISHING MEDIA:	Water fog, dry chemical, foam or CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

6. ACCIDENTAL RELEASE MESURES

PERSONAL PRECAUTIONS:	Avoid contact with skin, eyes and clothing. Avoid breathing vapor and mist. Do not touch damaged container or leakage thing if you do not wear appropriate protective clothes.
ENVIROMENTAL PRECAUTIONS:	Do not release to sewer, surface water or ground water.
METHODS and MATERIAL for CONTAINMENT and CLEAN UP:	Take up with absorbent material (e.g., cloth, sand, kieselguhr). Send in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

PRECAUTIONS for SAFE HANDLING:	The worker wears an appropriate protection tool, and avoids contact and the inhalation into eyes and skins.
CONDITIONS for STABLE STORAGE:	Keep away from all possible sources of ignition. Keep away from heat, steam pipe or direct sunlight. Keep container tightly closed. Keep in the well-ventilated and area at room temperature (5-35°C).

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

CONTROL PARAMETERS:	ACGIH,OSHA is both not determined. Ethylene glycol : TLV-TWA C 100mg/m3(2014)
PERSONAL PROTECTIVE EQUIPMENT:	
EYE PROTECTION:	Chemical safety glasses with side-shields or goggles.
SKIN PROTECTION:	Gloves, coveralls, apron and boots-as necessary to prevent skin contact.
INGESTION PROTECTION:	Face shield or mask
OTHHER PROTECTIONS:	Shower after handling this product. Clean clothing should be worn daily. Eyewash fountains should be easily accessible.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black liquid.	AUTO IGNITION TEMPERATURE:	No data available.
ODOR:	None.	UPPER FLAMMABILITY LIMITS:	Not applicable.
pH:	7.5~10	LOWER FLAMMABILITY LIMITS:	Not applicable.
BOILING POINT:	100°C	VAPOR PRESSURE:	Not applicable.
MELTING POINT:	0°C	VAPOR DENSITY:	Not applicable.
SPECIFIC GRAVITY:	1.0~1.1	SOLUBILITY IN WATER:	∞
PERCENT VOLATILE:	57 wt%	VISCOSITY at 25°C(mPa/S):	400~800
FLASH POINT:	Not applicable.	OCTANOL/WATER PARTITION COEFFICIENT:	No data available.

10. STABILITY AND REACTIVITY

REACTIVITY:	No data available.
CHEMICAL STABILITY:	No decomposition, if used according to specifications.
POSSIBILITY of HAZARDOUS REACTIONS:	None are known.
CONDITIONS to AVOID:	Do not reserve with high temperature up to 35°C. Do not freeze the liquid.
MATERIAL to AVOID:	Strong acid or base.
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , NO _x and SO _x

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Inhalation:	No data available.
	Ingestion:	No data available.
	Eyes:	May cause irritation transiently, but will be weakly harmful.
	Skin:	Will be weakly harmful.
SENSITIZATION:		No data available.
MUTAGENICITY:		No data available.
REPRODUCTIVE TOXICITY:		No data available.
CARCINOGENICITY:		No data available.
OTHER INFORMATION:		None

12. ECOLOGICAL INFORMATION

TOXICITY:	No data available.
PERSISTENCE/DEGRADABILITY:	No data available.
BIOACCUMULATION:	No data available.
MOBILITY:	No data available.
PBT and vPvB:	No data available.
OZONE DEPLETING SUBSTANCE:	Not contained.
OTHER ADVICE EFFECTS:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste must be disposal of in accordance with federal, state and local regulation.

14. TRANSPORT INFORMATION

UN NUMBER:	None.
UN PROPER SHIPPING NAME:	None.
TRANSPORT HAZARD CLASS:	None.
PACKING GROUP:	None.
ENVIRONMENTAL HAZARDS:	None.
SPECIAL PRECAUTIONS for USER:	Wear protection tools for personal safe in Section8.

15. REGULATORY INFORMATION

Follow all regulations in your country.

16. OTHER INFORMATION

The information contained herein is based on data available to us and believed to be correct. However, OHTO Co.,LTD.
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makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

OHTO Co.,LTD. Assumes no responsibility for injury from the use of the product described herein.