

Issue date: 07/24/2015

TONER SMARK LASER Art.Nr. 1770070000
Version 1.0

Revision date: 07/24/2015

1. Identification

Product name	TONER SMARK LASER Art.Nr. 1770070000
Synonyms	-
CAS #	See section 3
Product code	-
Product use	Toner.
Manufacturer/Supplier	
Supplier(Manufacturer):	Weidmüller Interface GmbH & Co. KG
Address:	Klingenbergstraße 16, 32758 Detmold, Germany
Contact person(E-mail):	info@chemical-check.de, k.schnurbusch@chemical-check.de
Telephone:	+49 5231 14-0
Fax:	+49 5231 14-292083
Emergency telephone Number:	+49 (0) 700 / 24 112 112 (WR)

2. Hazard(s) identification

GHS classification

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified

GHS label elements

Hazard Pictograms	No hazard pictogram is used.
Signal word	No signal word is used.
Hazard statement	Not applicable.

Precautionary statement

Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.

3. Composition / information on ingredients

The mixture does not contain hazardous chemicals which are equal to or above cut-off value according to GHS.

4. First-aid Measures

First aid procedures

Eye contact	Remove contact lenses. Do not rub. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Skin contact	Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Inhalation	Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.

Ingestion

Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.

Notes to physician

Treat symptoms.

5. Fire-fighting measures

Flammable properties

Not flammable

Extinguishing media

Suitable extinguishing media

Water jet spray / foam / CO₂ / dry extinguisher.

Unsuitable extinguishing media

If printers are on fire, do not use water.

Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire, full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products

Oxides of carbon, toxic gases, explosive dust/air mixture.

6. Accidental release measures

Personal precautions

Do not breathe dust. Ensure sufficient supply of air. Avoid contact with eyes or skin. For personal protection see section 8.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

Methods for cleaning up

Pick up mechanically and dispose of according to Section 13.

7. Handling and storage

Handling

Ensure good ventilation. Avoid build up of dust. Avoid contact with eyes or skin. Keep away from sources of ignition - Do not smoke. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. For precautions see section 2.2.

Storage

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Do not store with oxidizing agents. Store at room temperature. Store in a dry place.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
triiron tetraoxide	21 mg/m ³	230 mg/m ³	1400 mg/m ³

Ingredient	Original IDLH	Revised IDLH
triiron tetraoxide	Not Available	Not Available

Exposure controls:

Appropriate engineering controls:

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing

protection should be worn. Applies only if maximum permissible exposure values are listed here.

Individual protection measures, such as personal protective equipment:

Eye / face protection	Normally not necessary.
Skin protection	Normally not necessary.
Respiratory protection	Normally not necessary.
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state	Solid
Form	Powder
Color	Black
Odor	Characteristic
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	100-150 °C (Softening point)

initial boiling point and boiling range

Not available

Flash point

Not available

Evaporation rate

Not available

Flammability (solid, gas)

Not flammable

Explosion limits

Not available

Vapor density

Not available

Relative density

Not available

Solubility (water)

Dispersion

Partition coefficient

Not available

Auto-ignition temperature

Not available

Decomposition temperature

Not available

Specific gravity

Not available

Density

Not available

Flammability limits in air, upper, %by volume

Not available

Flammability limits in air, lower, % by volume

Not available

VOC

Not available

Percent volatile

Not available

Explosive properties

Product is not explosive. When using: development of explosive vapor/air mixture possible.

Oxidising properties

No

Other data

Viscosity	Not available
Molecular weight:	Not available
Molecular formula:	Not available
Solvents content	Not available

10. Stability and reactivity

Reactivity	Note danger of explosive-dust.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Avoid light access.
Incompatible materials	Avoid contact with strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon, toxic gases, explosive dust/air mixture.
Possibility of hazardous reactions	No dangerous reactions are known.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available
-------------------------------	---------------

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/Irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	The mixture does not contain any PBT&vPvB substance.
Other adverse effects:	No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

IATA

UN number	UN2807
UN proper shipping name	Magnetized material
Transport hazard class(es)	9
Packing group	Not regulated
Environmental hazards	No

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

triiron tetraoxide (1317-61-9) is found on the following regulatory lists	"US - Alaska Limits for Air Contaminants" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
---	--

16. Other information, including date of preparation or last revision

HMIS® ratings	Health: 0 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 1 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.
Issue date	07-24-2015