Romanoff International Supply Corp.
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Safety Data Sheet

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identification of the substance :	78-5004A Tiger3D Black Resin
Use of the substance / preparation: UV Resin for 3D Printer	
Emergency Contact: CHEMTEL, ACCOUNT #MIS4594445 COLLECT CALLS ACCEPTED USA, CANADA 1-800-255-3924 AUSTRALIA: 1-300-954-583 BRAZIL: 0-800-591-6042 CHINA: 400-120-0751 INDIA: 000-800-100-4086 MEXICO: 01-800-099-0731 ALL OTHER COUNTRIES: 1-813-248-0585	

2. HAZARDS IDENTIFICATION

Chemical Hazard Classification: NA

(This product is not hazardous under United Nations GHS Parts)

Symbols:	Hazard composition:	Hazard statements:	Precautionary statements:
		NA	

(This product is not hazardous under United Nations GHS Parts)

Other hazardous and Precautionary:

May cause skin irritation and wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical product information:

Composition of components	Weight %	CAS No.
ACRYLATE MONOMER	45~75	1680-21-3
ACRYLATE OLIGOMER	35~45	13048-33-4
PHOTOINITIATOR & ADDITIVES	10~15	162881-26-7

4. FIRST-AID MEASURES

Contact with skin:	Immediately take off all contaminated clothing. Remove the product with a cloth or absorbent paper. Do not use solvents. Wash immediately with water for at least 10 minutes. After contact with skin, wash immediately with plenty of soaped water. Seek medical advice if irritation persists. Wash with plenty of water and soap. Should the patient feel unwell, consult a physician.

Contact with eyes:	Seek medical advice if irritation persists. Wash immediately with water for at least 10 minutes. Should the patient feel unwell, consult a physician.
Swallowing:	The induction of vomiting and the administration of oral drugs must be carried out only upon medical council. A suspension of activated charcoal in water, or liquid petrolatum may be administered. Should the patient feel unwell, consult a physician.
Inhalation:	Ventilate the premises. The patient is to be removed immediately from the premises contaminated and made to rest in a well ventilated area. Should the patient feel unwell, consult a physician.

5. FIRE FIGHTING MEASURES

Recommended extinguishers:	CO2, Foam, Chemical powders, sand or earth. Use water based extinguishing media with caution.
Extinguishers not to be used:	None in particular.
Risks arising from combustion:	Avoid inhaling the fumes. Incomplete combustion releases toxic gases.
Protective equipment:	Use protection for the airways.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Personal safety:	Use a mask, gloves and protective clothing.
Environmental measures:	Limit leakages with earth or sand. If the product has flown off into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the responsible authorities.
Cleaning methods:	Rapidly collect the product. To do so, wear a mask and protective clothing. If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination in compliance with waste disposal regulations in force. The product might, where appropriate, be absorbed by inert material.

7. HANDLING AND STORAGE

Handling precautions:	Avoid contact with and inhalation of vapor and/or dusts. Do not eat or drink or smoke while working. Wash hands before breaks and at the end of work. Maintain a sufficient personal care.
Incompatible materials:	Keep away from amines, strong bases, acids and strong oxidants.
Storage conditions:	Storage temperature: below 35°C/95°F Keep in a dry place, in the original containers tightly closed, avoid heat/ignition and light sources. For industrial use only, keep away from children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Precautionary measures:	Provide adequate ventilation to the areas where the product is stored and/or handled.
Respiratory protection:	Required where ventilation/aspiration is insufficient or exposure is prolonged, or for applications in which the product is sprayed or heated.
Protection for hands:	Use protective gloves. For an extended exposure of the product, wear gloves.
Eye protection:	Safety goggles.
Protection for skin:	Use clothing that provides complete protection to the skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color:	Black liquid
Odour:	Light
pH:	-
Melting point:	-
Boiling point:	> 105 °C
Flash point:	> 105 °C
Explosive properties:	-
Combustion-related properties:	-
Specific gravity ASTM D 1475:	1.35±0.1g/cc (25°C)
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid:	Stable under normal conditions.
Substances to avoid:	The product reacts exothermically with amines.
Hazardous decomposition products:	Upon incomplete combustion carbon monoxide is formed.

11. TOXICOLOGICAL INFORMATION

Toxicological data	There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
LD50 (oral):	-
LD50 (dermal):	-

12. ECOLOGICAL INFORMATION

Toxicity:	-
Persistence and degradability:	-
Bioaccumulative potential:	-
Mobility in soil:	-
Results of PBT and vPvB assessment:	-
Other adverse effects:	-

13. DISPOSAL CONSIDERATIONS

Recover if possible. In doing so, comply with the local and national regulations currently in force. Avoid release to the environment. Refer to special instructions/Safety data sheets. Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION

UN number: N/A, Not hazardous by D.O.T. regulations

Road/Rail (ADR/RID): N/A, Not hazardous by D.O.T. regulations

Sea (IMDG): N/A, Not hazardous by D.O.T. regulations

Air (ICAO)/IATA: N/A, Not hazardous by D.O.T. regulations

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labeling of dangerous substances)and subsequent amendments.

Council Directive 1999/45/EC (Classification, packaging and labeling of dangerous preparations) and subsequent amendments. Regulation (EC) nr 1272/2008 (CLP).Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC occupational exposure

limit values). Regulation (EC) No 1907/2006 (REACH).

16. OTHER INFORMATION

References	European Chemicals Bureau(ECB) http://esis.jrc.ec.europa.eu/ EINECS (European Inventory of Existing Commercial chemical Substances) O.J. C 146A, 15.6.1990. ELINCS (European List of Notified Chemical Substances) in support of Directive 92/32/EEC, the 7th amendment to Directive 67/548/EEC. NLP (No-Longer Polymers). BPD (Biocidal Products Directive) active substances listed in Annex I or IA of Directive 98/8/EC or listed in the so-called list of non-inclusions. PBT (Persistent, Bioaccumulative, and Toxic) or vPvB (very Persistent and very Bioaccumulative). CLP/GHS (Classification, Labeling and Packaging of substances and mixtures); CLP implements the Globally Harmonized System (GHS), Regulation (EC) No 1272/2008. Export and Import of Dangerous Chemicals listed in Annex I of Regulation (EC) No 689/2008. HPVCs (High Production Volume Chemicals) and LPVCs (Low Production Volume Chemicals). IUCLID Chemical Data Sheets, OECD-IUCLID Export Files, EUSES Export Files.
Lister Unit	Brian Romanoff Telephone: 1-631-842-2400
Date	Oct, 2018
Version	1

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific intended use.