

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



| | |
|------------------------------|--|
| IDENTITY DuraBlack | <i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i> |
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Section I

| | |
|--|--|
| Manufacturer's Name HORIZONS INCORPORATED, Metalphoto Division | Emergency Telephone Number (216) 475-0555 |
| Address (Number, Street, City, State, and ZIP Code) 18531 South Miles Road Cleveland, OH 44128 | Telephone Number for Information (216) 475-0555 Date Prepared 4/29/2011 Signature of Preparer (optional) |

Section II - Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|---|----------|-----------|--------------------------|--------------|
|---|----------|-----------|--------------------------|--------------|

Note: This product, as received, is considered a "manufactured article" as defined by the OSHA "Hazard Communication" standard 29CFR1910.1200 .

This product contains no toxic chemicals subject to reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372.

Section III - Physical/Chemical Characteristics

| | | | |
|-------------------------|-----|---|-----|
| Boiling Point | N/A | Specific Gravity (H2O = 1) | N/A |
| Vapor Pressure (mm Hg) | N/A | Melting Point | N/A |
| Vapor Density (AIR = 1) | N/A | Evaporation rate (Butyl Acetate = 1) | N/A |

Solubility in Water
Nil

Appearance and Odor
Aluminum sheet with a matte black coating on one side

Section IV - Fire and Explosion Hazard Data

| | | | |
|----------------------------------|-------------------------|------------|------------|
| Flash Point (Method Used) N/A | Flammable Limits N/A | LEL N/A | UEL N/A |
|----------------------------------|-------------------------|------------|------------|

Extinguishing Media
Use extinguishing media appropriate to the surrounding fire
Special Firefighting Procedures
None

Unusual Fire and Explosion Hazards
None Known

Section V - Reactivity Data

| | | | |
|-----------|----------|---|-----------------------------|
| Stability | Unstable | | Conditions to Avoid None |
| | Stable | X | |

Incompatibility (Materials to Avoid)

None known

Hazardous Decomposition or Byproducts

Carbon dioxide, carbon monoxide, small quantities of formaldehyde and smoke particulates are produced.

| | | | |
|--------------------------|----------------|---|-----------------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid None |
| | Will Not Occur | X | |

Section VI - Health Hazard Data

| | | | |
|--------------------|-----------------------------|-----------------------|----------------------------|
| Route(s) of Entry: | Inhalation? Not expected | Skin? Not expected | Ingestion? Not expected |
|--------------------|-----------------------------|-----------------------|----------------------------|

Health Hazards (Acute and Chronic)

None known

| | | | |
|------------------|------------|------------------------|-----------------------|
| Carcinogenicity: | NTP? NO | IARC Monographs? NO | OSHA Regulated? NO |
|------------------|------------|------------------------|-----------------------|

During laser marking, small quantities of materials known to the State of California to cause cancer may be released.

Signs and Symptoms of Exposure

None known

Medical Conditions

Generally Aggravated by Exposure

None known

Emergency and First Aid Procedure

None expected

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

N/A

Waste Disposal Method

Aluminum may be recycled

Precautions to be Taken in Handling and Storage

During laser marking of DuraBlack small quantities of formaldehyde have been detected. Operator exposure was

found to be below the 0.5 ppm OSHA action level during normal laser operating conditions.

Other Precautions

Horizons recommends that during the laser process, a sufficient exhaust system, together with an appropriate

charcoal filter product be used to reduce effects from resulting emissions.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Not required

| | | |
|-------------|---|-----------------|
| Ventilation | Local Exhaust Vent laser exhaust to outside | Special None |
| | Mechanical (General) Normal office ventilation is acceptable | Other None |

Protective Gloves

Not generally required

Eye Protection

Not generally required

Other Protective Clothing or Equipment

Not required

Work/Hygenic Practices

NORMAL PERSONAL HYGIENE (CLEANLINESS) IS SATISFACTORY.