

SAFETY DATA SHEET.

Issuing date 19-May-2015

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name 6744-0 STONE/CHIP GUARD COATIN

Recommended use of the chemical and restrictions on use

Product code F02420

Product Type Extremely flammable aerosol
Synonyms None

Supplier's details

Recommended Use Automotive bumper and trim product.
Uses advised against No information available

Manufactured For:
Imperial Supplies LLC
789 Armed Forces Drive
P.O. Box 11008
Green Bay, WI 53407-1038

Emergency telephone number
Chemical Emergency Phone Number Chemtrec 1-800-424-9300

IF ON SKIN: Wash with plenty of soap and water.
 Take off contaminated clothing and wash before reuse
 If skin irritation occurs: Get medical advice/attention
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER or doctor/physician if you feel unwell
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other information

• Toxic to aquatic life with long lasting effects

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight %* |
|------------------------|-----------|-----------|
| DIMETHYLETHER | 115-10-6 | 10-20 |
| 2-BUTANONE | 78-93-3 | 10-20 |
| TOLUENE | 108-88-3 | 10-20 |
| CALCIUM CARBONATE | 1317-65-3 | 10-20 |
| BUTYL BENZYL PHTHALATE | 85-68-7 | 1-10 |
| BUTYL ACETATE | 123-86-4 | 1-10 |
| CARBON BLACK | 1333-86-4 | 0.1-1 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

| | |
|-----------------------|---|
| General advice | Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice. |
| Skin contact | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur. |
| Inhalation | Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately. |
| Ingestion | Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. |

Most important symptoms/effects, acute and delayed

Main Symptoms Causes skin and eye irritation. Irritating to respiratory system. May cause drowsiness or dizziness. May damage to fertility or the unborn child. May cause cancer. Harmful or fatal if swallowed and enters airways. Causes damage to organs through prolonged or repeated exposure.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Dry chemical. Carbon dioxide (CO₂). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Keep away from heat and sources of ignition. Do not smoke. Cool containers / tanks with water spray.

Specific hazards arising from the chemical

Extremely flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Absorb with sand, clay, or other suitable material. Hard surfaces may be mopped with water. Remove all sources of ignition.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, or oxidizing agents.

Aerosol Level 2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|---|--|---|
| 2-BUTANONE 78-93-3 | STEL: 300 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m ³ | IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³ |
| TOLUENE 108-88-3 | TWA: 20 ppm | TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm | IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ |
| CALCIUM CARBONATE 1317-65-3 | - | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust |
| BUTYL ACETATE 123-86-4 | STEL: 200 ppm TWA: 150 ppm | TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |
| CARBON BLACK 1333-86-4 | TWA: 3 mg/m ³ inhalable fraction | TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³ | IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. The carbon black in this product is not in a respirable form as applied.

Exposure controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

| | | | |
|-----------------------|---------|-----------------------|--------------------------|
| Physical state | Aerosol | Odor | Solvent |
| Appearance | opaque | Odor Threshold | No information available |
| Color | black | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Methods</u> |
|---|--------------------------|---------------------------------|
| pH | No information available | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash Point | >= -41 °C / >= -42 °F | Closed cup Based on propellant |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| upper flammability limit | No information available | |
| lower flammability limit | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific Gravity | 1.001 | |
| Water solubility | Practically insoluble | |
| Partition coefficient: n-octanol/water | No information available | Not applicable |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Viscosity | No information available | |
| Explosive properties | No information available | |

Other information

| | |
|-----------------------------|------------------|
| VOC Content(%) | 62.24 |
| MIR Coating Category | ABT (MIR < 1.75) |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, or oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

| | |
|---------------------|--|
| Inhalation | Vapors may irritate throat and respiratory system. May cause drowsiness and dizziness based on components. May cause irritation of respiratory tract. Avoid breathing vapors or mists. |
| Eye contact | Irritating to eyes. Avoid contact with eyes. |
| Skin contact | Irritating to skin. Repeated exposure may cause skin dryness or cracking. Prolonged skin contact may defat the skin and produce dermatitis. Avoid contact with skin. |
| Ingestion | May be harmful or fatal if swallowed. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. |

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------------------------|-----------------------|--------------------------|--------------------------|
| DIMETHYLETHER 115-10-6 | - | - | = 308.5 mg/L (Rat) 4 h |
| 2-BUTANONE 78-93-3 | = 2483 mg/kg (Rat) | = 5000 mg/kg (Rabbit) | = 11700 ppm (Rat) 4 h |
| TOLUENE 108-88-3 | = 2600 mg/kg (Rat) | = 12000 mg/kg (Rabbit) | = 12.5 mg/L (Rat) 4 h |
| BUTYL BENZYL PHTHALATE 85-68-7 | = 2330 mg/kg (Rat) | = 6700 mg/kg (Rat) | > 6.7 mg/L (Rat) 4 h |
| BUTYL ACETATE 123-86-4 | = 14000 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 390 ppm (Rat) 4 h |

Information on toxicological effects

| | |
|-----------------|--|
| Symptoms | Symptoms of overexposure may be headache, tiredness, nausea, and vomiting. Harmful in contact with skin. Causes irritation to eyes. Causes drowsiness and dizziness. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|----------------------------------|--|
| Skin corrosion/irritation | Irritating to skin. |
| Eye damage/irritation | Irritating to eyes. |
| Irritation | Irritating to eyes, respiratory system and skin. |
| Sensitization | None known. |
| Germ Cell Mutagenicity | None known. |
| Carcinogenicity | The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen. |

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------------------|-------|----------|-----|------|
| TOLUENE 108-88-3 | - | Group 3 | - | - |
| BUTYL BENZYL PHTHALATE 85-68-7 | - | Group 3 | - | - |
| CARBON BLACK 1333-86-4 | A3 | Group 2B | - | - |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

| | |
|--|--|
| Reproductive toxicity | Product is or contains a chemical which is a known or suspected reproductive hazard. |
| Specific target organ systemic toxicity (single exposure) | May cause respiratory irritation. May cause drowsiness and dizziness. |

| | |
|---|--|
| Specific target organ systemic toxicity (repeated exposure) Chronic toxicity | May cause damage to organs through prolonged or repeated exposure. |
| Target Organ Effects Neurological effects | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects. Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|-------------|
| ATEmix (oral) | 50216 mg/kg |
| ATEmix (dermal) | 13013 mg/kg |
| ATEmix (inhalation-dust/mist) | 144.5 mg/l |
| ATEmix (inhalation-vapor) | 32935 mg/l |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|--------------------------------------|---|---|----------------------------|---|
| 2-BUTANONE 78-93-3 | - | 3130 - 3320 mg/L LC50 Pimephales promelas 96h flow-through | - | 4025 - 6440 mg/L EC50 Daphnia magna 48h Static 5091 mg/L EC50 Daphnia magna 48h 520 mg/L EC50 Daphnia magna 48h |
| TOLUENE 108-88-3 | 433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static | 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static 12.6 mg/L LC50 Pimephales promelas 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 54 mg/L LC50 Oryzias latipes 96h static | - | 5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h |
| BUTYL BENZYL PHTHALATE 85-68-7 | 0.02 - 0.25 mg/L EC50 Pseudokirchneriella subcapitata 96h 0.2 - 28.2 mg/L EC50 Pseudokirchneriella subcapitata 72h | 1.0 - 10.0 mg/L LC50 Lepomis macrochirus 96h static 1.0 - 10.0 mg/L LC50 Oncorhynchus mykiss 96h static 1.39 - 3.88 mg/L LC50 Pimephales promelas 96h flow-through 0.82 mg/L LC50 Oncorhynchus mykiss 96h flow-through 0.78 mg/L LC50 Pimephales promelas 96h static | - | 0.9 - 1.1 mg/L EC50 Daphnia magna 48h Static 0.97 mg/L EC50 Daphnia magna 48h 1.28 mg/L EC50 Daphnia magna 48h semi-static 0.76 mg/L EC50 Daphnia magna 48h Flow through |

| | | | | |
|---------------------------|---|---|---|---|
| BUTYL ACETATE 123-86-4 | 674.7 mg/L EC50 Desmodosmus subspicatus 72h | 17 - 19 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Lepomis macrochirus 96h static | - | - |
|---------------------------|---|---|---|---|

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | log Pow |
|-----------------------------------|---------|
| DIMETHYLETHER 115-10-6 | -0.18 |
| 2-BUTANONE 78-93-3 | 0.29 |
| TOLUENE 108-88-3 | 2.65 |
| BUTYL BENZYL PHTHALATE 85-68-7 | 4.91 |
| BUTYL ACETATE 123-86-4 | 1.81 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment****Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION**DOT Ground**CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY**IATA**

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

15. REGULATORY INFORMATION**International Inventories**

| Chemical Name | TSCA | DSL/NDL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|---------|-------------------|------|-------|------|-------|------|
| DIMETHYLETHER | X | X | X | X | X | X | X | X |
| 2-BUTANONE | X | X | X | X | X | X | X | X |

| | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|
| TOLUENE | X | X | X | X | X | X | X | X |
| CALCIUM CARBONATE | X | X | X | X | X | X | X | X |
| BUTYL BENZYL PHTHALATE | X | X | X | X | X | X | X | X |
| BUTYL ACETATE | X | X | X | X | X | X | X | X |
| CARBON BLACK | X | X | X | X | X | X | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight %* | SARA 313 - Threshold Values % |
|--------------------|----------|-----------|-------------------------------|
| TOLUENE - 108-88-3 | 108-88-3 | 10-20 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | Yes |
| Reactive Hazard | no |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| TOLUENE 108-88-3 | 1000 lb | X | X | X |
| BUTYL BENZYL PHTHALATE 85-68-7 | | X | X | |
| BUTYL ACETATE 123-86-4 | 5000 lb | | | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|-----------------------------------|--------------------------|------------------------------------|--|
| 2-BUTANONE 78-93-3 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| TOLUENE 108-88-3 | 1000 lb 1 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ |
| BUTYL BENZYL PHTHALATE 85-68-7 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

| | | | |
|---------------------------|---------|--|--|
| BUTYL ACETATE 123-86-4 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
|---------------------------|---------|--|--|

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name | California Prop. 65 |
|----------------------------------|--------------------------------------|
| TOLUENE - 108-88-3 | Developmental Female Reproductive |
| BUTYL BENZYL PHTHALATE - 85-68-7 | Developmental |
| CARBON BLACK - 1333-86-4 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| DIMETHYLETHER 115-10-6 | X | X | X |
| 2-BUTANONE 78-93-3 | X | X | X |
| TOLUENE 108-88-3 | X | X | X |
| CALCIUM CARBONATE 1317-65-3 | X | X | X |
| BUTYL BENZYL PHTHALATE 85-68-7 | X | X | X |
| BUTYL ACETATE 123-86-4 | X | X | X |
| CARBON BLACK 1333-86-4 | X | X | X |

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 4 Instability 0 Physical and chemical hazards -

HMIS Health Hazard 2* Flammability 4 Physical Hazard 2 Personal protection B
 Chronic Hazard Star Legend Chronic Health Hazard: Aromatic solvents. Severe overexposure may cause liver or kidney damage.
 Repeated or prolonged exposure may cause central nervous system damage.

Prepared By Regulatory Affairs
 Issuing date 19-May-2015
 Revision Date 19-May-2015
 Revision Note

No information available

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet