

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: StoneClean™ & Strip Concentrate EFFECTIVE DATE: 7/01/97 REVISED: 01/01/12

I. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

MANUFACTURER:

A.T.G., Inc.
1407 NORTH GRAND, COLUMBIA, MO 65203
(314) 442-4821

EMERGENCY PHONE: 1-800 424-9300 (CHEMTREC)

SUPPLIER/DISTRIBUTOR:

RICHARD JAMES SPECIALTY CHEMICALS CORPORATION
24 RIDGE STREET, HASTINGS-ON-HUDSON, NY 10706
(914) 478-7500

PRODUCT NAME: StoneClean & Strip Concentrate
CHEMICAL FAMILY: Mixture
CHEMICAL NAME:
FORMULA: See Section III
MOLECULAR WEIGHT: (Mixture)
SYNONYMS: NONE
CAS # and NAME (Mixture) See Section III

HMIS Hazard Rating: Health 2 Fire 0 Reactivity 0
NFPA Rating: Health 2 Fire 0 Reactivity 0

II. PHYSICAL DATA (On Typical Material)

BOILING POINT : ~100° C. (~212 F.)
SPECIFIC GRAVITY (H2O = 1) : ~1.07
FREEZING POINT : ~ 30° C.
VAPOR PRESSURE AT 20 C. : < 17 mm Hg
VAPOR DENSITY AT ONE ATM : no data
EVAPORATION RATE AT 20 C. (but. acet. = 1): <1
SOLUBILITY IN WATER by wt : Miscible
APPEARANCE AND ODOR : Pinkish liquid; slight amine odor
pH : 11 - 12
VoC : 82 g/l 2 g/l in standard 1:40 dilution

III. INGREDIENTS

MATERIAL	%	CAS No.	TLV (Units)	HAZARD
Sodium Metasilicate	~4.4	Trade Secret	None Established	See Section V
Tetrapotassium Pyrophosphate	~4.4	Trade Secret	None Established	See Section V
Glycol Ether	~4.0	Trade Secret	None Established	See Section V
Butoxy Ethanol	~2.3	111-76-2	See Section V	See Section V
Alkanolamide	~3.1	Trade Secret	None Established	See Section V
Monoethanolamine	~2.8	Trade Secret	None Established	See Section V
Non-ionic Surfactant	<1.0	Trade Secret	None Established	See Section V
Ammonium Hydroxide	~0.9	1336-21-6	See Section V	See Section V
Water	~87.0	7732-18-5	n.a	n.a.

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EMERGENCY PHONE NUMBERS: Monday - Friday, 9:00 a.m.- 5:30 p.m. CST: (573) 442-4821
24 hours: 1-800 424-9300 (CHEMTREC)

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IV. FIRE and EXPLOSION DATA; FIRE FIGHTING MEASURES

FLASH POINT (test method(s)):

None by Pensky Martens closed cup ASTM D 98

FLAMMABLE LIMITS IN AIR, by volume:

LOWER and UPPER: Not determined (low volatility aqueous system)

EXTINGUISHING MEDIA:

Non-flammable (aqueous system): After the material evaporates, the remaining material will char with slow oxidation. Use water spray or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:

Self-contained breathing apparatus may be needed.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

V. HEALTH HAZARD DATA

TLV AND SOURCE:

Butoxy Ethanol	25ppm TWA skin (ACGIH)	25ppm skin TWA PEL (OHSA)
Ethanolamine	3ppm TWA	6ppm STEL (ACGIH TLV and OHSA PEL)
Glycol Ether	25ppm TWA skin (ACGIH)	25 ppm skin TWA PEL (OHSA)
Ammonium Hydroxide	25ppm TWA (ACGIH)	50ppm in air

EFFECTS OF SINGLE OVEREXPOSURE

SWALLOWING: Moderately toxic by ingestion in large volumes. May cause irritation of the mouth, throat and esophagus, with nausea and possible vomiting.

SKIN ABSORPTION: No evidence of adverse effects from available information.

INHALATION: No evidence of adverse effects from available information.

SKIN CONTACT:

Brief contact is not irritating. Prolonged contact, as from clothing wet with material, may cause moderate irritation as discomfort and local redness.

EYE CONTACT:

Causes moderate to severe irritation and pain, experienced as discomfort or pain, excess blinking and tear production with marked excess redness; swelling of the conjunctiva.

EFFECTS OF REPEATED OVEREXPOSURE

No evidence of adverse effects from available information.

OTHER EFFECTS OF OVEREXPOSURE:

There are literature reports that skin contact with a component of this product may cause sensitization and an allergic skin reaction in a small proportion of people.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Available toxicology information and physical and chemical properties of the material suggest overexposure is unlikely to aggravate existing medical conditions.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:

Contains an amine which may react with nitrites to form a nitrosamine. Some nitrosamines have shown to be carcinogenic in laboratory animals.

PRODUCT NAME: StoneClean™ & Strip Concentrate EFFECTIVE DATE: 7/01/97 REVISED: 01/01/12

VI. EMERGENCY AND FIRST AID PROCEDURES

SWALLOWING:

If large volume is swallowed, give two glasses of water. Obtain medical attention immediately. Induce vomiting only as directed by medical personnel.

SKIN:

Remove contaminated clothing and wash skin with soap and water. Wash clothing before reuse.

INHALATION:

Remove to fresh air. No emergency care anticipated.

EYES:

Immediately flush eyes thoroughly with water and continue washing for at least 15 minutes. Obtain medical attention, preferably from an ophthalmologist.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

VII. STABILITY and REACTIVITY

STABILITY:

Stable.

CONDITIONS TO AVOID:

None known.

INCOMPATIBILITY (materials to avoid):

Strong oxidizers. Strong acids. Strong alkalies.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

When water has been evaporated, material can char with slow oxidation. This will produce carbon dioxide and water vapor.

HAZARDOUS POLYMERIZATION:

Will not occur.

VIII. ACCIDENTAL RELEASE MEASURES AND DISPOSAL METHODS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Small spills can be flushed with large amounts of water. Larger spills should be collected for suitable disposal.

WASTE DISPOSAL METHOD:

Dispose of or incinerate in accordance with appropriate federal, state and local regulations. At very low concentration in water, this material is biodegradable in a biological wastewater treatment plant.

IX. SPECIAL/PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type):

Dust/mist respirator if misting conditions exist.

VENTILATION:

General local exhaust ventilation expected to be satisfactory.

PRODUCT NAME: StoneClean™ & Strip Concentrate EFFECTIVE DATE: 7/01/97 REVISED: 01/01/12

PROTECTIVE GLOVES:

Polyethylene, PVC or butyl rubber.

EYE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Eye bath and rubber shoes.

X. SPECIAL PRECAUTIONS [HANDLING/STORAGE/USE]

WARNING: Causes eye and skin irritation. Avoid contact with eyes, skin and clothing. Do not swallow. Wash thoroughly after handling. Keep out of reach of children.

FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS:

None

XI. REGULATORY INFORMATION**STATUS ON SUBSTANCE LISTS:**

Concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

FEDERAL EPA

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION %
Monethanolamine	Trade Secret	~2.8

SARA 302, 304, 311 and 312: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TRQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355.

Components present in this product at a level which could require reporting under the statute are:

NONE

SARA 313: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION %
Glycol Ether	Trade Secret	~4.0

PRODUCT NAME: StoneClean™ & Strip Concentrate EFFECTIVE DATE: 7/01/97 REVISED: 01/01/12

STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

MASSACHUSETTS 105 CMR 670.000 Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION
Monoethanolamine	Trade Secret	~2.8

PENNSYLVANIA Right-to-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION %
Monoethanolamine	Trade Secret	~2.8

TSCA INVENTORY STATUS

The ingredients of this product are on the TSCA inventory.

VOC's

82 g/L; no CFC's
2 g/l at 1:40 standard dilution

OTHER REGULATORY INFORMATION:

EPA Hazard Categories: IMMEDIATE HEALTH HAZARD, DELAYED HEALTH HAZARD.

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The information contained in this Material Safety Data Sheet is offered in good faith as typical values and not as product specification(s); and is accurate and current to the best of Richard James Specialty Chemicals Corp.'s knowledge. No warranty, expressed or implied, is made. Information is offered solely for recipient's consideration, investigation and verification and should be reviewed by recipient in the context of intended product use. Buyer/user/recipient assumes the risk in use of the Material; and it is the responsibility of said entity(ies) to determine the suitability and completeness of information; to ensure proper use, and safety/health; and to determine that use is in accordance with applicable federal, state and local laws and regulations.