

System 1+ Activator

Section 1. Identification

GHS product identifier : System 1+ Activator
Other means of identification : Not available.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Dental product
Area of application : Professional applications.

Manufacturer : **Manufacture for:**
Ormco Corporation
1717 West Collins Avenue
Orange, CA 92867
Telephone no.: 1-800-854-1741

e-mail address of person responsible for this SDS : Contact customer service at 1-800-854-1741 for any questions

Emergency telephone number (with hours of operation) : CHEMTREC® (24 hours) U.S. : 1-800-424-9300 International: +1-703-527-3887

Section 2. Hazards identification

OSHA/HCS status : The product does not meet the criteria for classification as hazardous under the GHS and 29 CFR 1910.1200

Classification of the substance or mixture : None

GHS label elements

Signal word : None

Hazard statements : None

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture of the substances listed below with nonhazardous additions.
Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
Product code : Not available.

Ingredient name	Other names	%	CAS number
No hazardous/reportable components.			

Formulation represents a Trade Secret Mixture

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : No special measures are required.

Inhalation : If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Skin contact : Avoid prolong contact with skin. Wash with water and soap if contact skin. If skin irritation, rash or allergic reaction occurs, consult a doctor

Ingestion : Induce vomiting if large amounts of materials is swallowed.

Most important symptoms/effects acute and delayed

Potential acute health effects

Eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed if necessary

Notes to physician : The alkaline liquid can cause burns or allergic reactions. Vapors may cause dizziness or headache.

Specific treatments : No specific treatment.

Protection of first-aiders : In case of major fire and large quantities: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : CO2, extinguishing powder or water spray.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : None

Hazardous thermal decomposition products : Not applicable.

Special protective actions for fire-fighters : In case of major fire and large quantities: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions protective equipment and emergency procedures

For non-emergency personnel : Low release. For professional use only. Handling of product in very small amounts or in situations where release is highly unlikely

For emergency responders : Low release. See also the information in "For non-emergency personnel".

Environmental precautions : Low release. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Small Quantity. For professional use only. Wipe up with soap, water and paper towels.

Large spill : Small Quantity. For professional use only. Absorb with an inert material and place in an appropriate waste disposal container.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : No special measures are required for small quantities under normal and intended conditions of product use. For professional use only. Store at temperatures not exceeding 73°F. (23°C) and avoid exposure to light.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure to moisture and light.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store at temperatures not exceeding 73°F. (23°C) and avoid exposure to light. Avoid exposure to moisture and light.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Not Applicable	

Appropriate engineering controls : No special measures are required for small quantities under normal and intended conditions of product use.

Environmental exposure controls : No special measures are required for small quantities under normal and intended conditions of product use.

Individual protection measures

Hygiene measures : No special measures are required for small quantities under normal and intended conditions of product use.

Eye/face protection : No special measures are required for small quantities under normal and intended conditions of product use.

Skin protection

Hand protection : No special measures are required for small quantities under normal and intended conditions of product use..

Body protection : No special measures are required for small quantities under normal and intended conditions of product use.

Other skin protection : No special measures are required for small quantities under normal and intended conditions of product use.

Respiratory protection : No special measures are required for small quantities under normal and intended conditions of product use.

Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Clear
Odor	: Slight odor
Odor threshold	: Not established
pH	: Not applicable.
Melting point	: Not applicable.

Boiling point	: Not Applicable
Flash point	: Not available.
Specific gravity	: Not applicable.

Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.

Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: ~ 1
Solubility	: Virtually insoluble in water

Solubility in water	: Virtually
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available

Solids content	: Not available
Viscosity	: Not available.

Section 10. Stability and reactivity

Reactivity	: None
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Chemical stability	: The product is stable.
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Possibility of hazardous reactions	: Not applicable.
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Conditions to avoid	: Avoid exposure to elevated temperatures, to light and temperatures of 80°F
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Incompatible materials	: Not applicable.
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Hazardous decomposition products	: By high heat and fire: carbon dioxide, carbon monoxide, oxides of nitrogen.
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Section 11. Toxicological information

Information on toxicological effects

Acutotoxicity

Irritation/Corrosion

Primary Irritant Effect:

Skin: Possibility of skin irritation or sensitization if not washed off promptly.

Sensitization

Sensitizing effect through inhalation is possible with prolonged exposure.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductivetoxicity

Not available.

Teratogenicity

Not available.

Specifictargetorgantoxicity(singleexposure)

Not available.

Specifictargetorgantoxicity(repeatedexposure)

Not available.

Aspirationhazard

Not available.

Potential acute health effect

Eye contact : Possibility of irritation or sensitization if not washed off promptly.

Inhalation : No known significant effects or critical hazards.

Skin contact : Possibility of skin irritation or sensitization if not washed off promptly.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
irritation

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Section 11. Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Carcinogenicity : No known significant effects or critical hazards.

: Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

No further relevant information available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA311/312

Classification : None of the ingredients are listed.

Section 15. Regulatory information

[Composition/information on ingredients](#)

[SARA313](#)

[California Prop. 65](#)

None of the components are listed.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	1
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

[National Fire Protection Association \(U.S.A.\)](#)



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[History](#)

Date of issue/Date of revision : 9/14/2014

Section 16. Other information

Date of previous issue : No previous validation
Version : 1
Prepared by : Sci-Pharm

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : HCS (U.S.A.)- Hazard Communication Standard
International transport regulations

▣ Indicates information that has changed from previously issued version.

Noticetoreader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.